



لا تفسد الاشراك في  
قلوبك ذاكرولي  
على لطيف الالبرام



## Graphical Representation

### Key Vocabulary

Acting	تمثيل
Addition	الجمع
Bar graph	تمثيل بياني
Beans	فول
Birthday	يوم ميلاد
Calender	التقويم
Categories	تصنيف
Cheese	جبنة
Column	عمود
Compare	يقارن
Data	بيانات
Dice	حجر نرد
Difference	الفرق
Equal	يساوي
Favourite	مفضل
Fewest	الأقل
Graph	رسم
Greater than	أكبر من
Greenburger	طعمية

Horizontal	افقي
Key	مفتاح
Least	أقل
Less than	أقل من
Most	الأكثر
Must	يجب
Order	ترتيب
Pictograph	رسم تصويري
Pupil	تلميذ
Quantity	كمية
Roll	يخرج
Row	صف
Scale	مقياس
Singing	غناء
Skip Counting	العد بالتخطي
Subtraction	الطرح
Sum	مجموع
Vertical	رأسي

Bakkar  
Self Check  
On each  
Chapter

### Content

Bakkar  
Self-Check  
On each  
lesson

Exercise  
inspired by  
Math Journal

Exercise  
inspired by  
Discover Book



## Lesson

(1, 2)

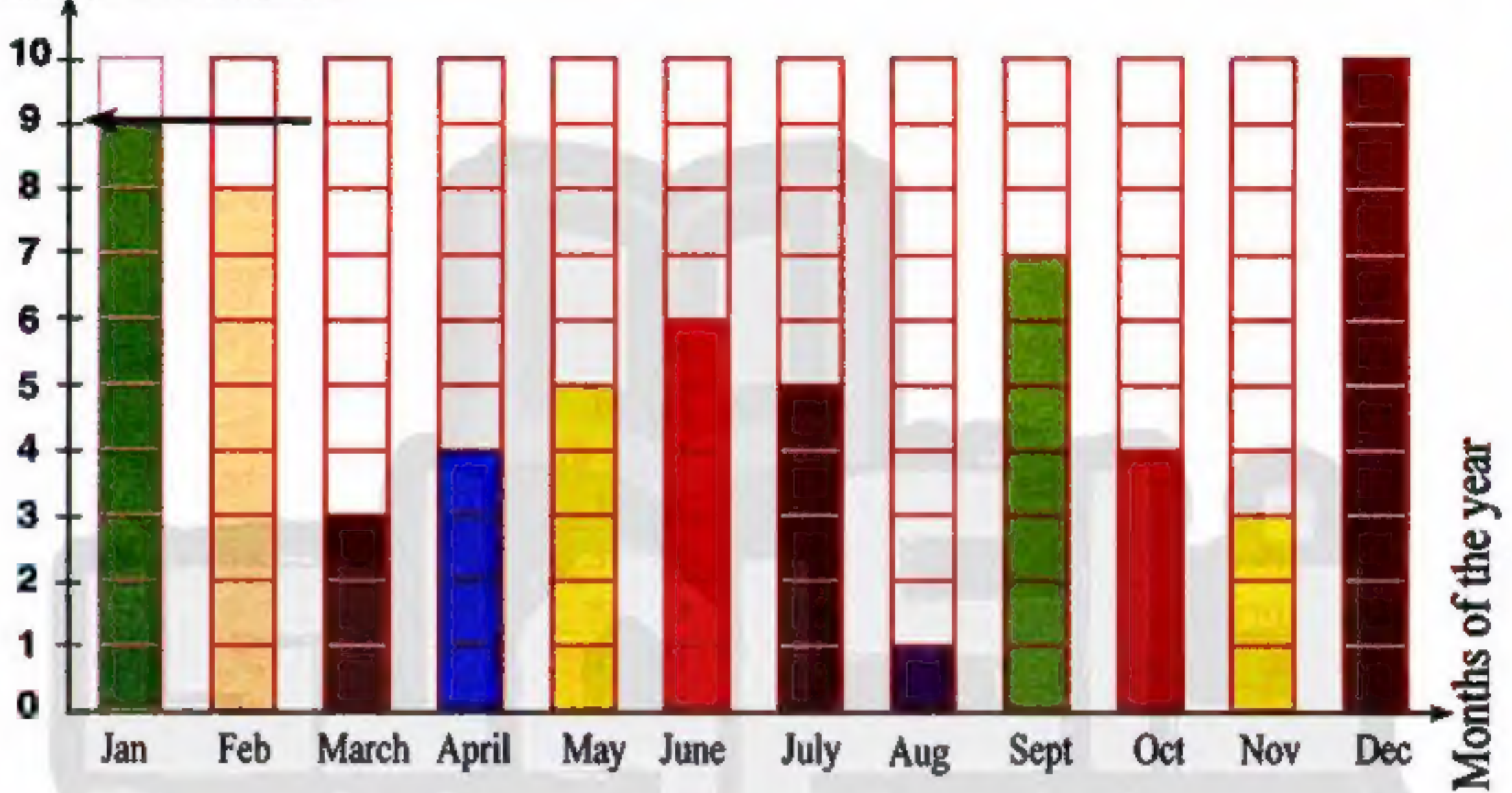
## Collecting data and making bar graph

Activity

1

By asking some pupils about their birthdays and write the number of each month then represent it by bar graph.

Number of students



From the graph complete as EX :

EX : The number of student whose birthdays in January = 9

- Number of student whose birthday in February = .....
- Number of student whose birthday in march = .....
- Number of student whose birthday in April = .....
- The month which has the most number of births = .....
- The month which has the least number of births = .....
- Number of students who have birthdays that like your birthday = .....



## Chapter 1

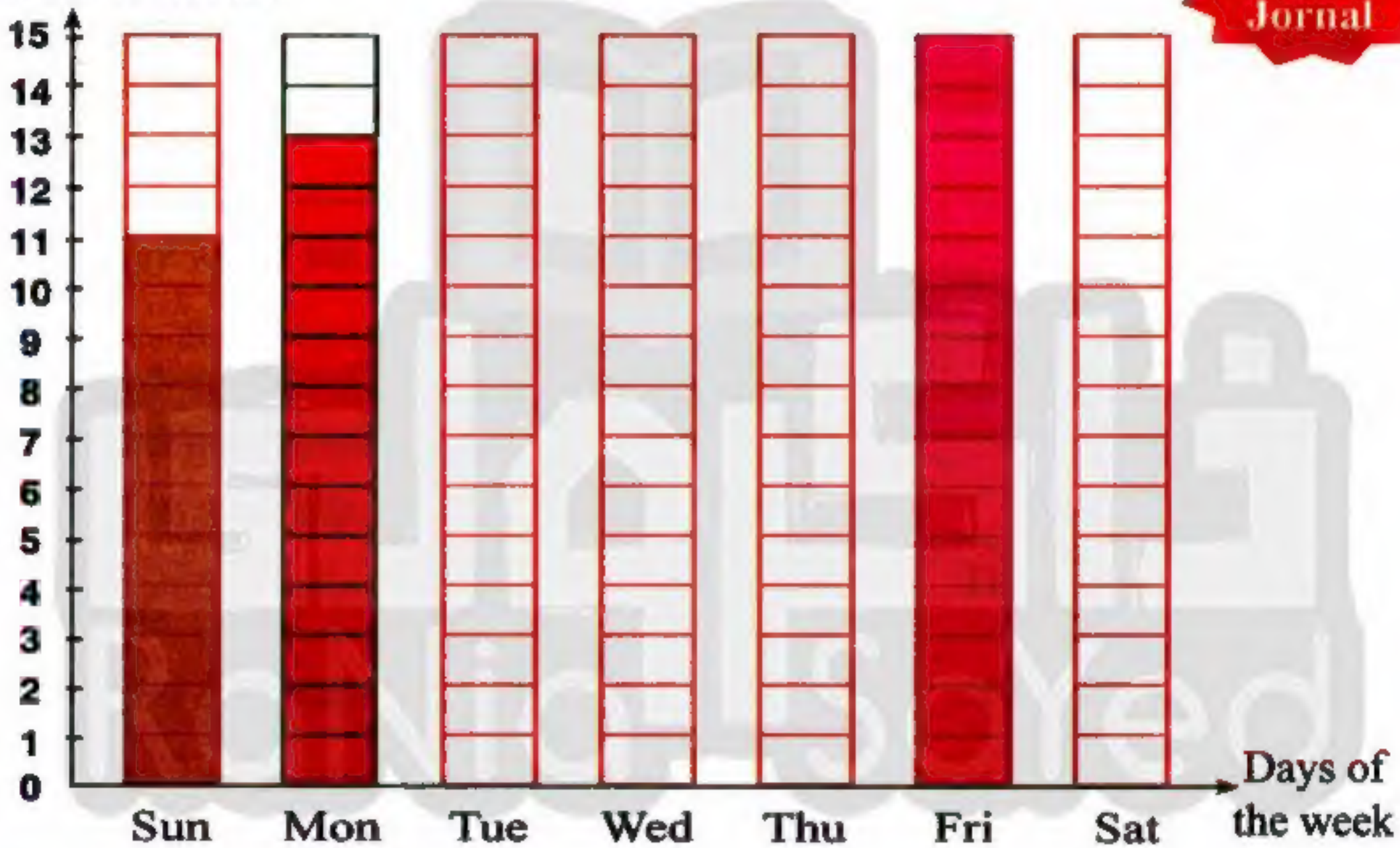
## Activity

2

By asking some pupils about the favourite days of the week and representing it by bar graph.

Sunday 11 pupil , Monday 13 pupil , Tuesday 5 pupil , Wednesday 2 pupil  
Thursday 14 pupil , Friday 15 pupil , Saturday 13 pupil.

Number of students

Math  
Jornal

Colour the bar graph then complete :

- The favourite day for the pupils in the class is = .....
- Number of pupils who prefer Monday = .....
- Put (  $\checkmark$ ,  $\times$  ) :
  - Number of pupils who prefer Saturday more than the number of pupils who prefer Sunday ( )
  - Number of pupils who prefer Sunday less than 12 . ( )

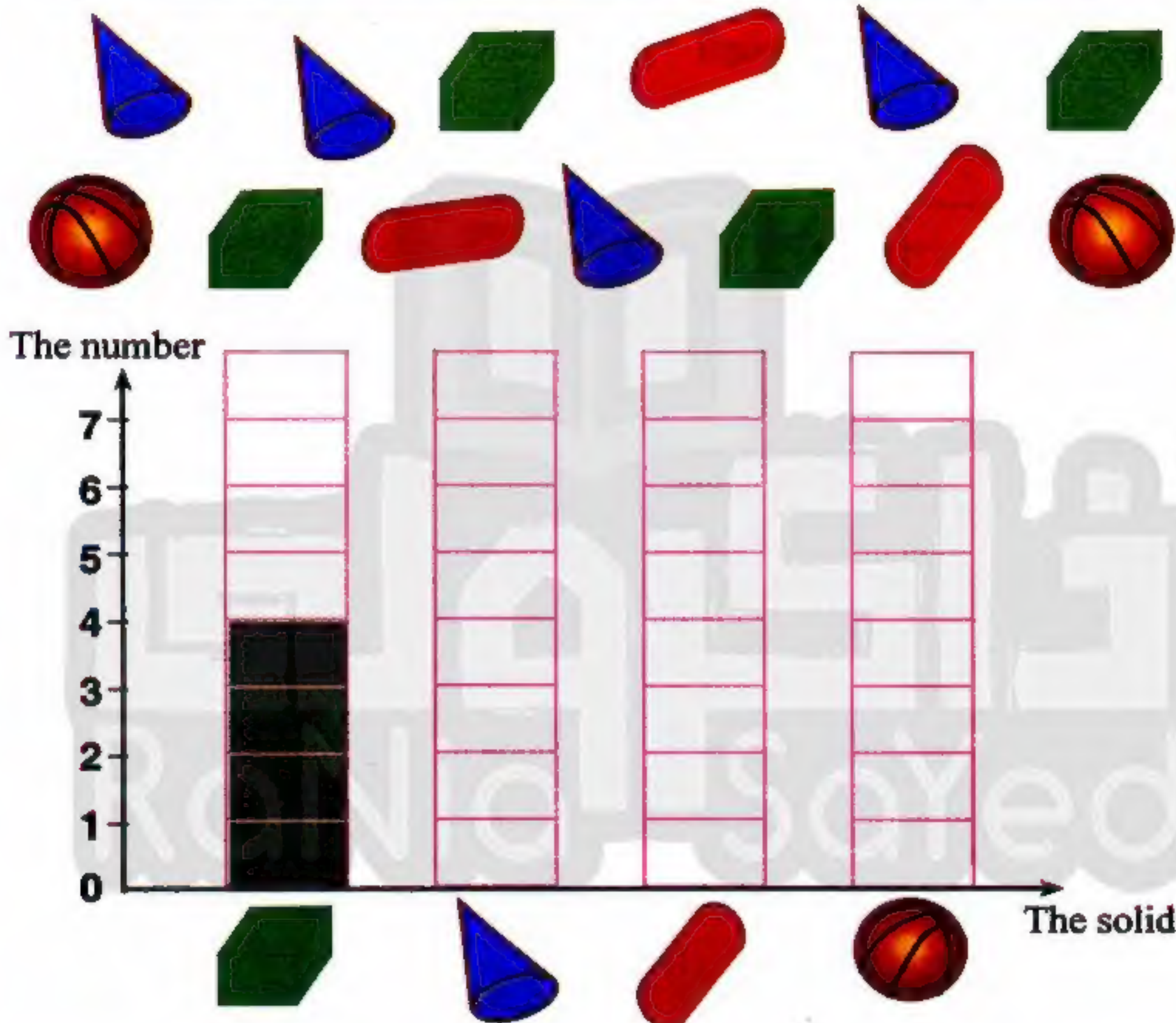
Bakkar Series




19



## Self - check on lesson (1, 2)

- 1 A student enter to the class and find the next solids on the table without arrangement , represent the number of solid by colouring the graph :



- a Number of  = .....
- b Number of blue solids = .....
- c Choose : Number of (  ,  ) more than 2

لا تفسد الاشراك في  
قنوات ذاكرولي  
على تطبيق الاجرام



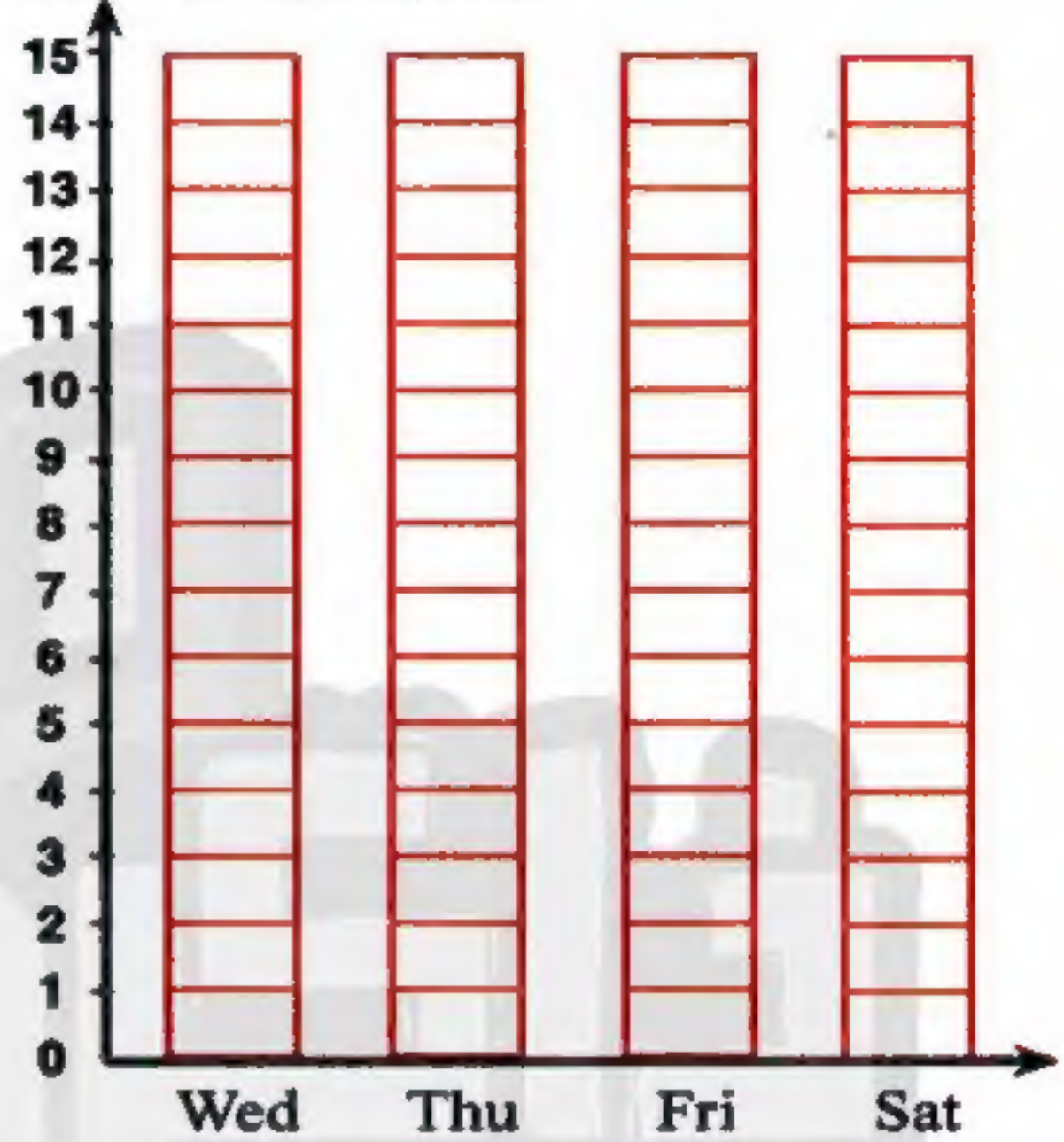
## Chapter 1

2

The following table show number of pupils who attending a theatre activity at school on 4 days , represent this data by colouring the graph then complete :

The day	Number of pupils
Wed	14
Thu	12
Fri	10
Sat	9

Number of students



a) The day which the most students attend on it .....

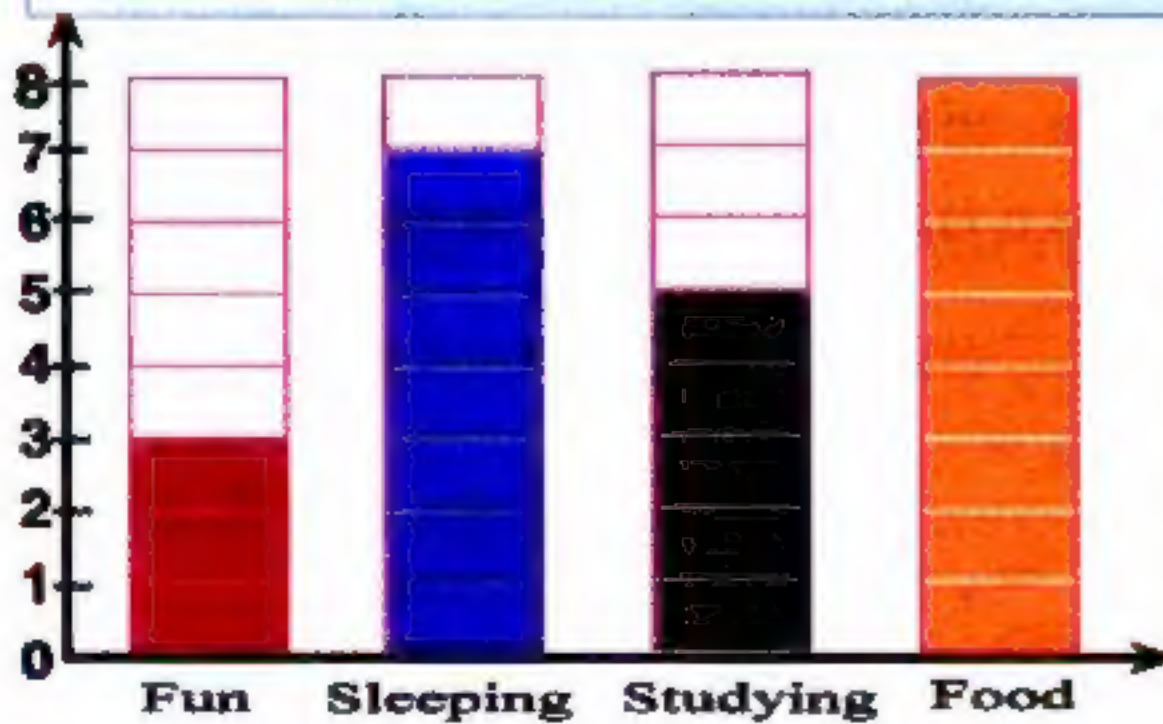
b) Number of students who attend on Saturday .....

c) Choose :

Number of students who attend on ( Wednesday , Thursday , Friday) is 12 .

3

The teacher ask what do you do on 4 o'clock in the evening? and represent this data by the bar graph : complete the table .



Discover Book

Activity	No. pupils
Fun	3
Sleeping	.....
Studying	.....
Food	.....

Bakkar Series

21



## Lesson

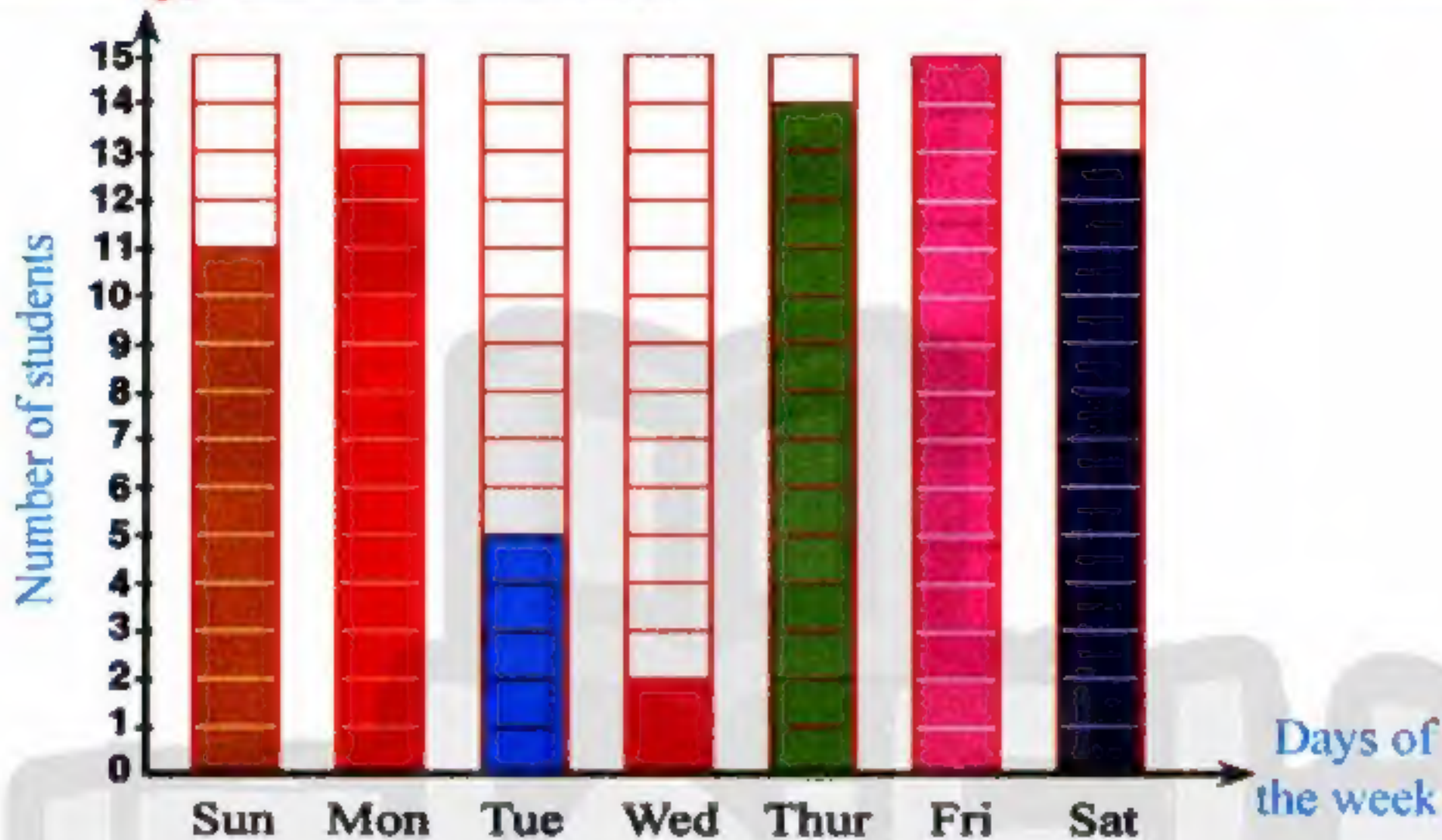
( 3 , 4 )

## Tables and Horizontal bar graph

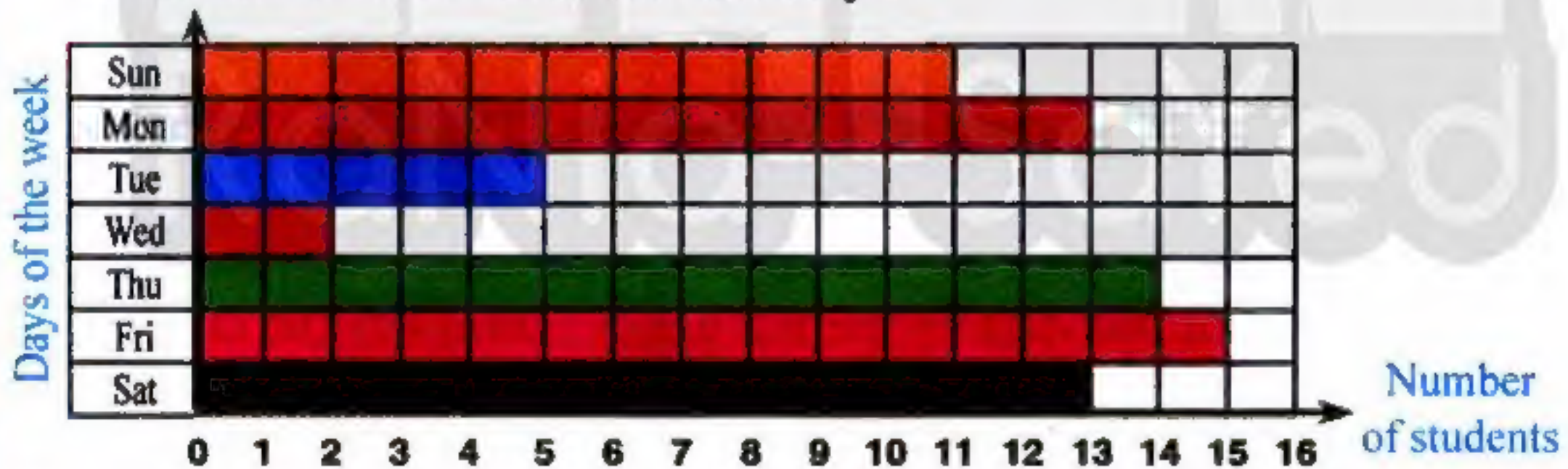
Activity

1

The following graph show the favourite day for the pupils :



When replace rows and columns by put the days of the week vertically and number of students horizontally :



From the two previous graph , we notice the data not changed

- The prefer day in first graph = .....
- The prefer day in second graph = .....
- Choose the suitable mark ( $>$ ,  $=$ ,  $<$ ) :

No. pupils who prefer Tuesday (.....) No. pupils who prefer Wednesday



## Chapter 1

Activity

2

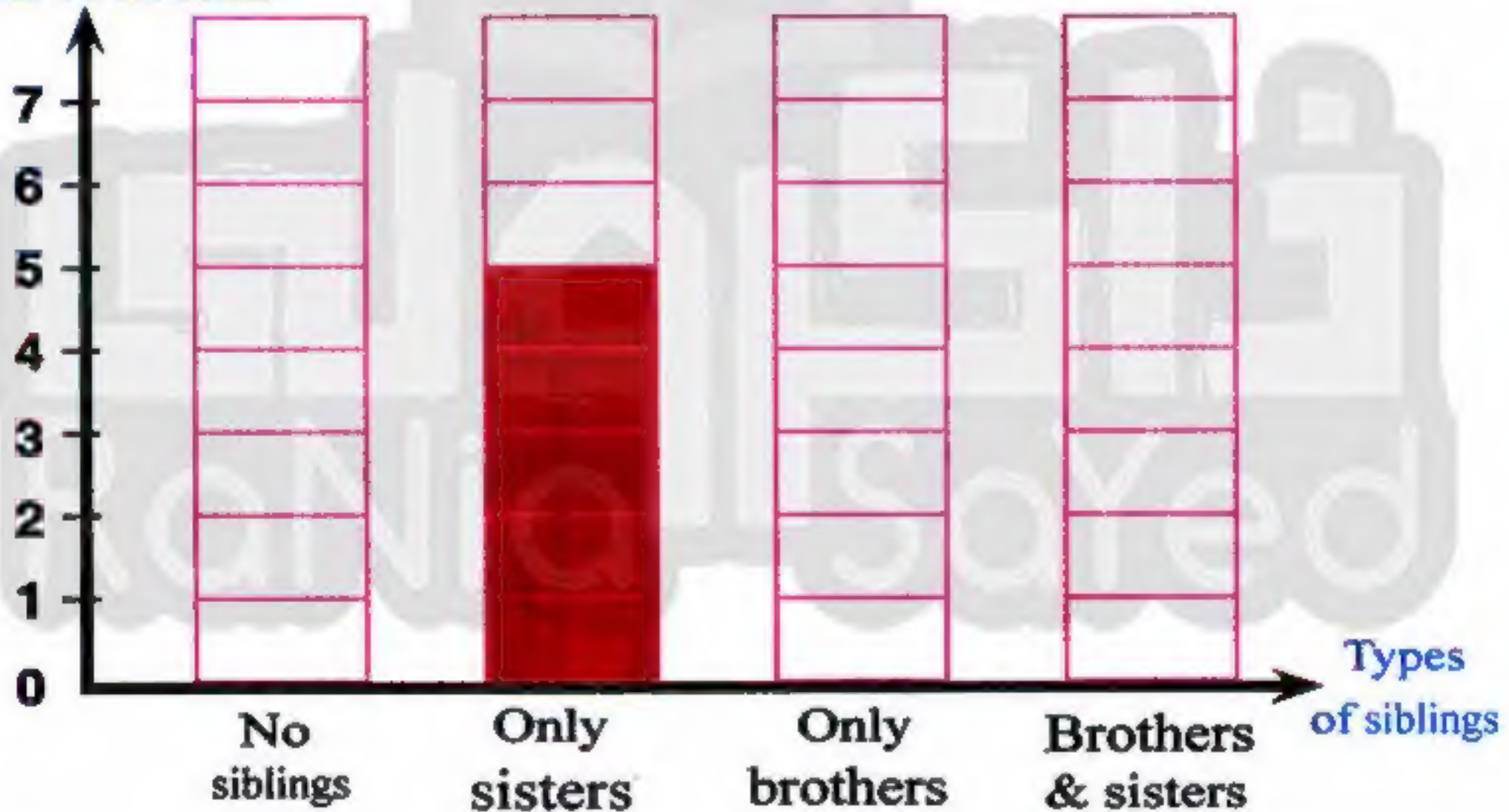
By asking pupils about their siblings and writing it at  
The table :

No. Siblings	Number of students
No siblings	3
Only sisters	5
Only brothers	3
Brothers and sisters	7

Math  
Journal

Represent this data by colour the next graph :

Number of students



From the graph choose the suitable mark ( $>$ ,  $=$ ,  $<$ ) :

- a) No. Pupils who haven't brothers ..... No. Pupils who have only brothers
- b) No. Pupils who have only sisters ..... No. Pupils who have only brothers
- c) No. Pupils who have only brothers ..... No. Pupils who have brothers & sisters

Bakkar Series

23



## Self - check on lesson ( 3 , 4 )

1 Notice then answer :



Shape	Number
	.....
	.....
	.....
	.....

- Complete the table .
- Choose the suitable answer :

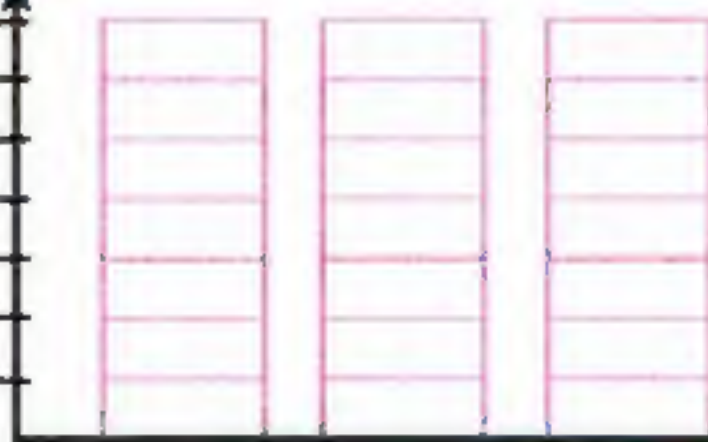
- a) Number of = ..... ( 3 , 4 , 5 )
- b) Number of (....) Number of ( > , = , < )
- c) The number of all shapes = ..... shapes . ( 12 , 13 , 14 )

2 Notice then complete the table and the graph :



The name	The number
Bee	.....
Rose	.....
Butterfly	.....

The number

7  
6  
5  
4  
3  
2  
1  
0

Bee Rose Butterfly

The name



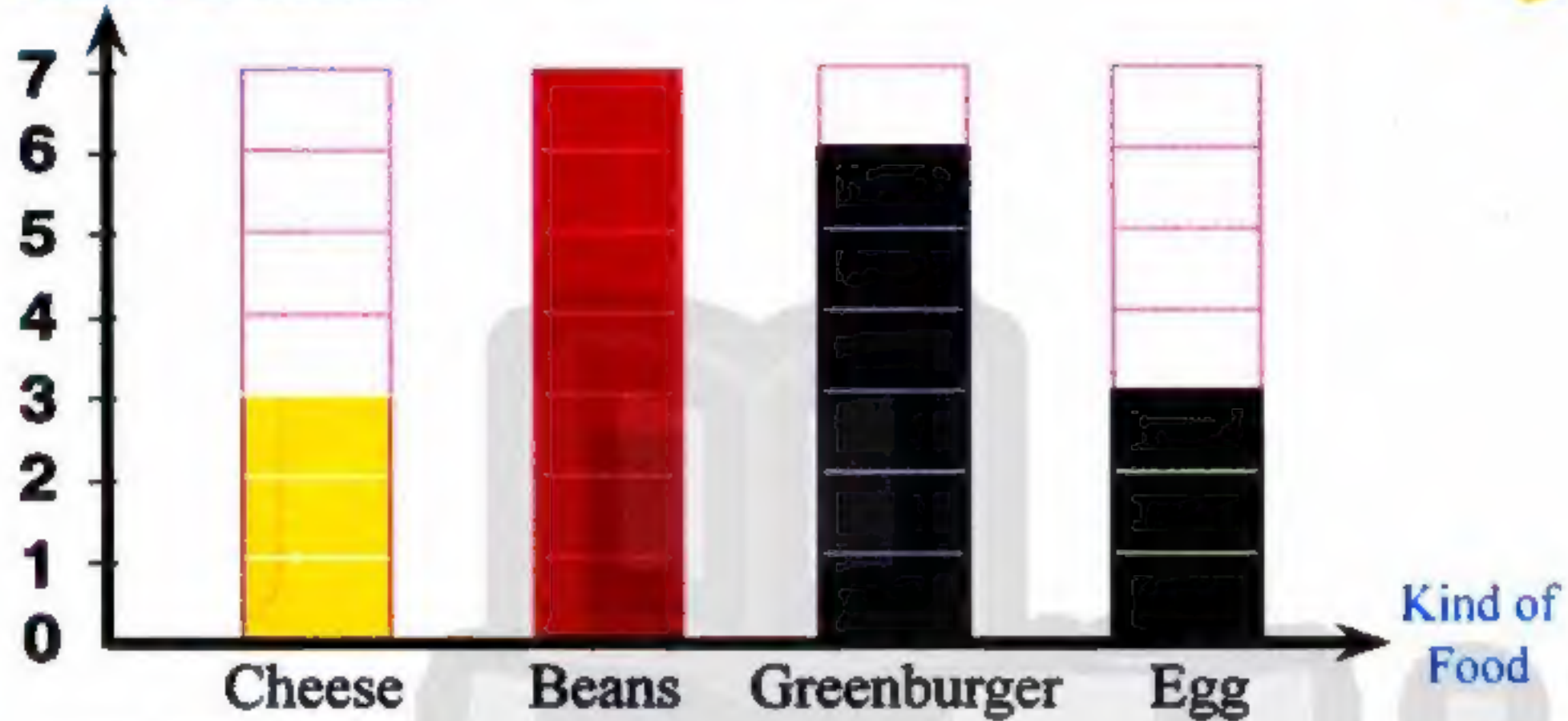
## Chapter 1

3 The first graph show kind of prefer food for 2<sup>nd</sup> class pupils represented the first graph in the second graph then answer :

First graph

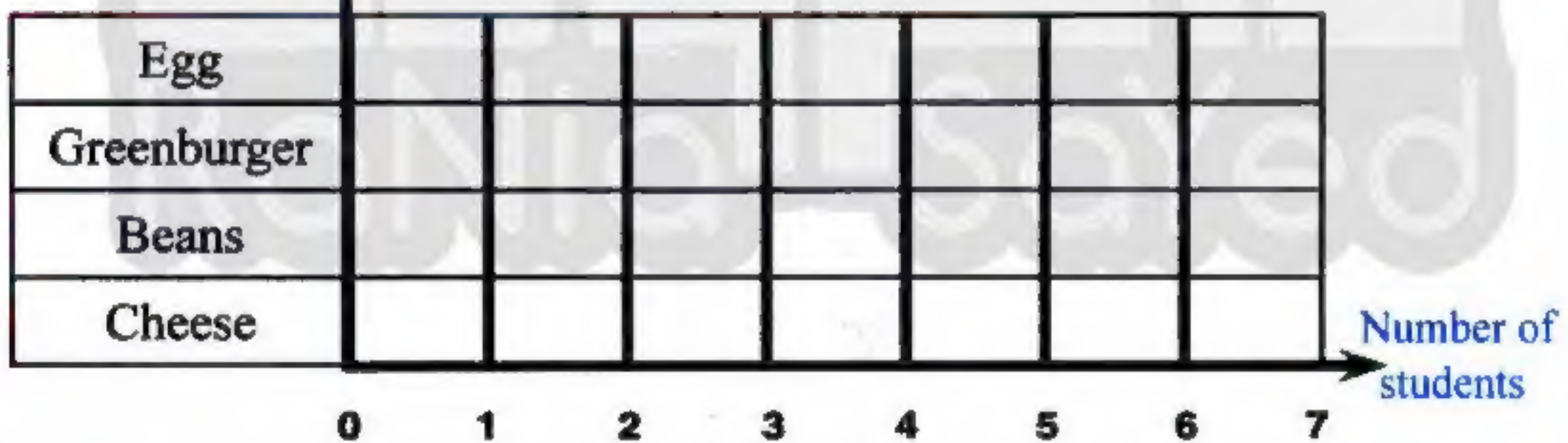
Discover Book

Number of students



Second graph

Kind of Food



From the previous graph choose the suitable mark ( $>$ ,  $=$ ,  $<$ ) :

- (a) No. Pupils who prefer egg (.....) No. Pupils who prefer cheese
- (b) No. Pupils who prefer cheese (.....) No. Pupils who prefer greenburger
- (c) No. Pupils who prefer beans (.....) No. Pupils who prefer egg

Bakkar Series

25



## Lesson

(5, 6)

Applies on representing data by bar graph

Activity

1

Look at the favourite fruit graph then answer the questions :



From the previous graph answer the following :

- (a) Number of people who prefer = .....
- (b) Choose the suitable sign ( $>$ ,  $=$ ,  $<$ ) :  
 Number of people who prefer (.....) Number of people who prefer
- (c) What is the difference between No. people who prefer and No. who prefer ?  
 Number of People = ..... - ..... = .....
- (d) How many people who prefer and who prefer ?  
 Number of People = ..... + ..... = .....



## Chapter 1

Activity

2

By asking some pupils about favourite fruits and represent the following graph by painting :

Number of students

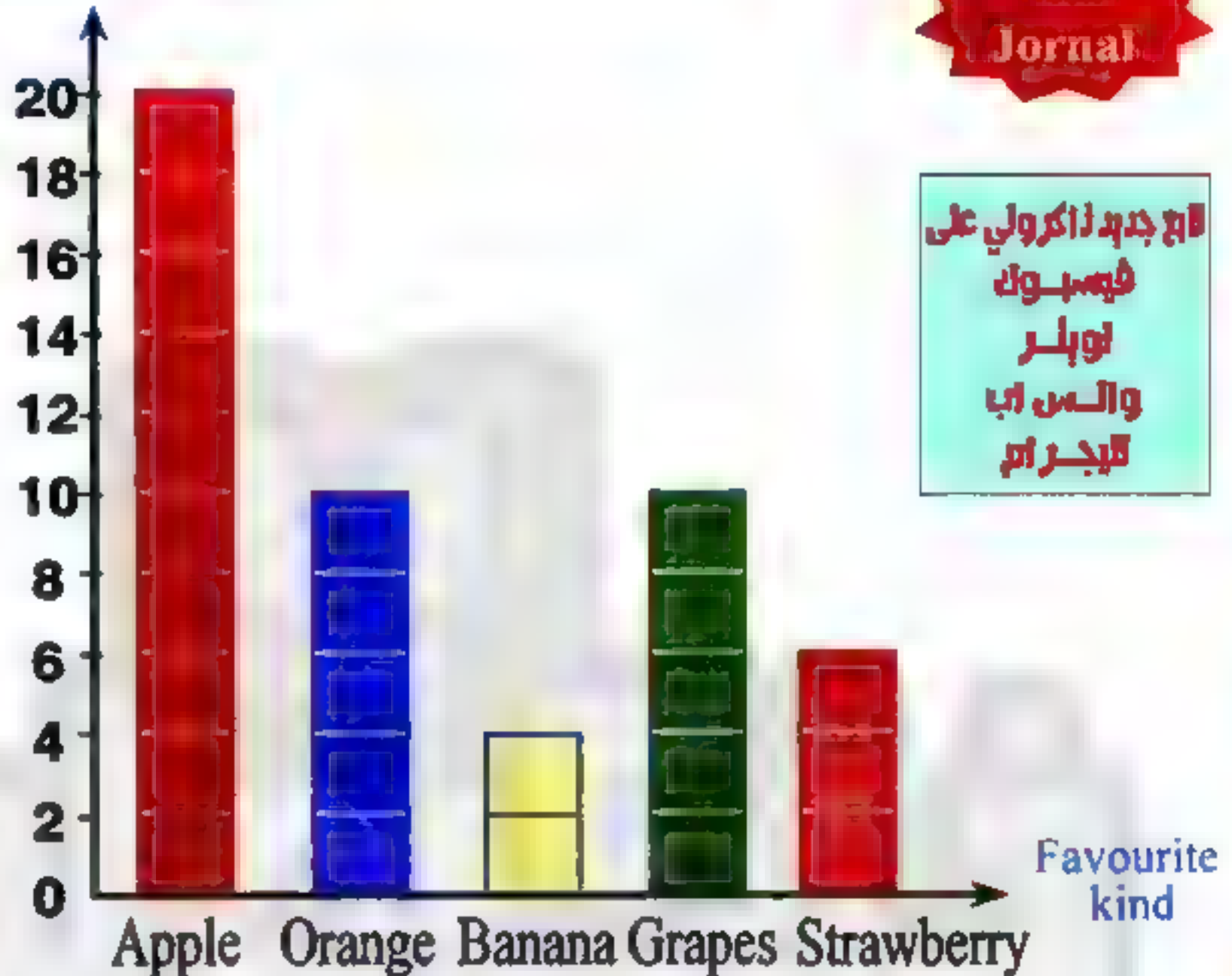
Maths  
Journal

Notice

A scale of 2

0, 2, 4, 6,  
8, 10, 12,  
14, 16,  
18, 20

Counting by  
Skipping 2



أنا جدد ذاكرولي على  
فيس بوك  
تويتر  
والس اب  
كليجرام

From the previous graph answer the following :

- Number of pupils who prefer apple ?  
Number of Pupils = .....
- What is the least preferred fruit and how many pupils prefer it ?  
Name of fruit = ..... , No. Pupils who prefer it = .....
- How many pupils who prefer orange and strawberry ?  
Number of Pupils = ..... + ..... = .....
- What is the difference between No. Pupils who prefer grapes and  
Number. Pupils who prefer banana ?  
Number of People = ..... - ..... = .....

Bakkar Series

27

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى



## Self - check on lesson (5, 6)

1 Notice and complete :

a Counting by skipping 2  
( add 2 to get the next number )

1 0 , 2 , 4 , ..... , ..... , ..... , 12



3

11	.....	13	.....	15	.....	17	.....	19	20
1	2	3	4	5	.....	7	.....	9	.....

b Counting by skipping 5  
( add 5 to get the next number )

1 0 , 5 , 10 , ..... , ..... , ..... , 30 , 35 , ..... 40



3

21	22	23	24	.....	26	27	28	29	.....
11	12	13	14	.....	16	17	18	19	.....
1	2	3	4	5	6	7	8	9	.....

c Counting by skipping 10  
( add 10 to get the next number )

1 0 , 10 , 20 , ..... , ..... , ..... , 70 , 80



3

31	32	33	34	35	36	37	38	39	.....
21	22	23	24	25	26	27	28	29	.....
11	12	13	14	15	16	17	18	19	.....
1	2	3	4	5	6	7	8	9	.....

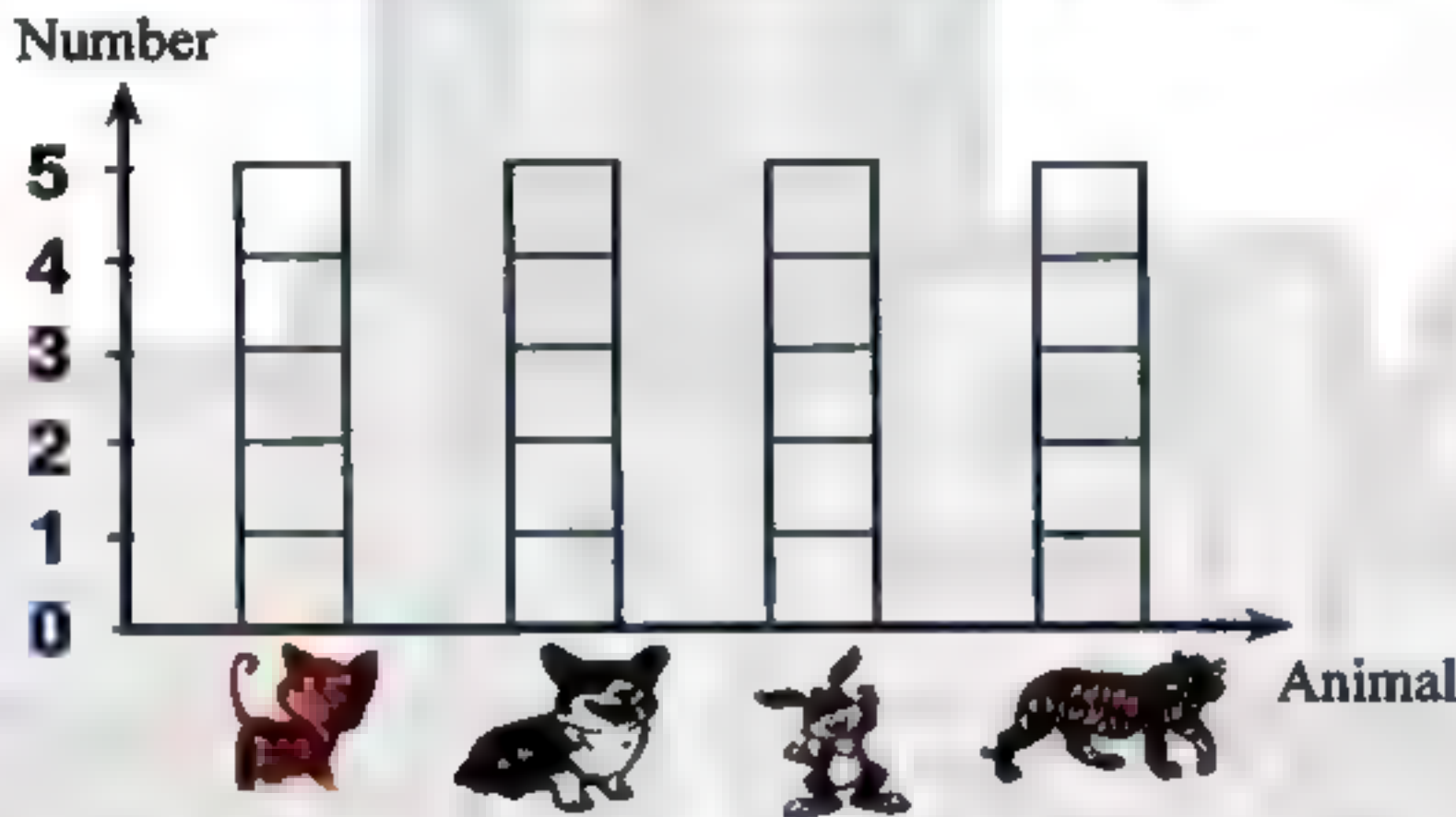


## Chapter 1

2 Notice then answer :



Represent the picture by bar graph then complete :



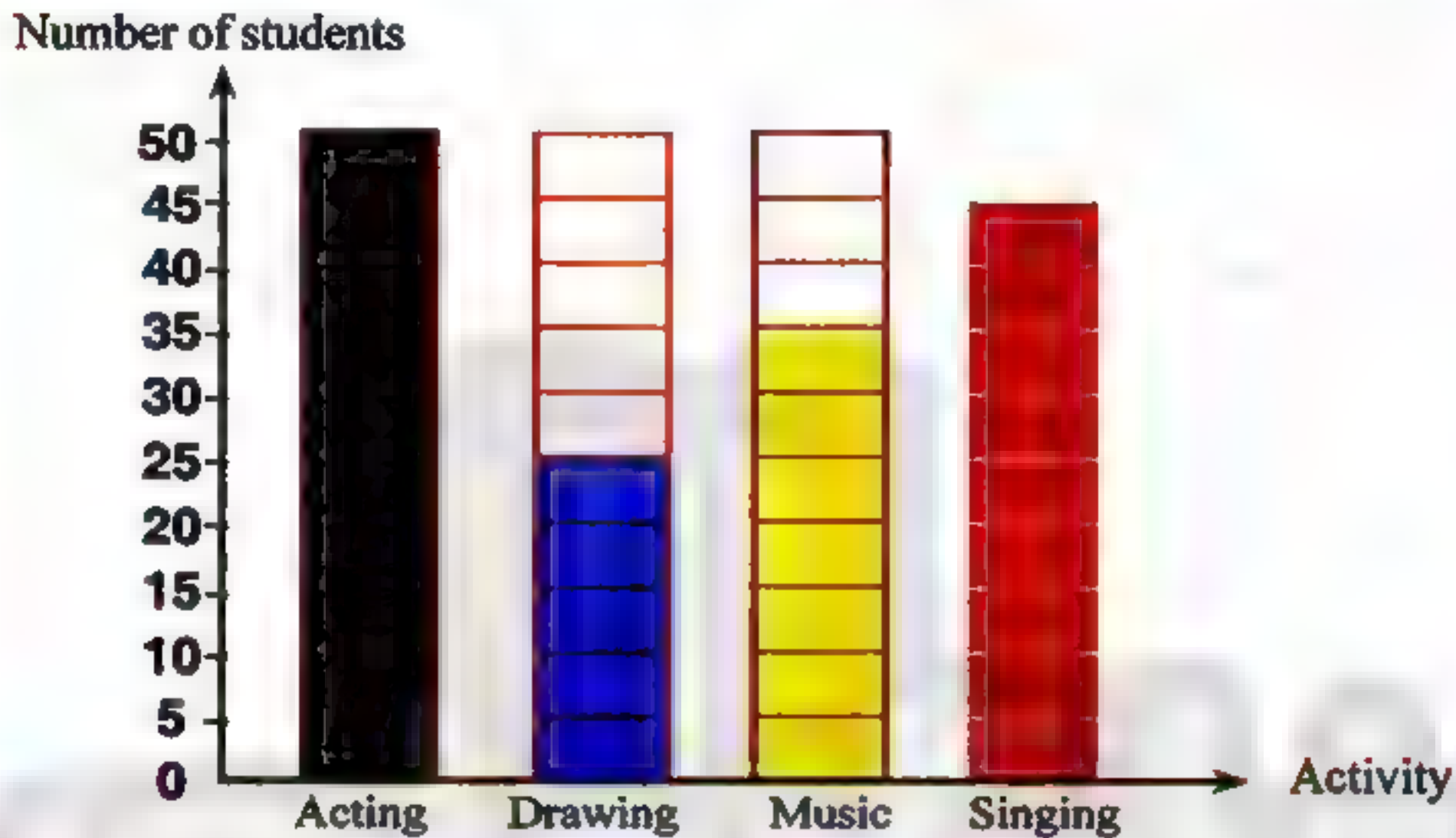
- a) Number of the most repeated picture = .....
- b) How many picture of dogs and cats ?  
Number of pictures = ..... + ..... = .....
- c) What is difference between frequency of rabbits's pictures and frequency of tigers's pictures ?  
Number of pictures = ..... - ..... = .....
- d) Number of pictures of dogs (.....) Number of pictures of rabbits.  
( = , > , < )

Bakkar Series

29



- 3 The teacher count the number of pupils who preferring activities , and representing the data in the following graph :



From the previous graph answer the following :

- a No. Pupils who prefer the singing (.....) No. Pupils who prefer the acting ( = , > , < )
- b How many pupils who prefer singing and drawing?  
Number of Pupils = ..... + ..... = .....
- c What is difference between No. Pupils who prefer acting and Number of pupils who prefer music ?  
The difference = ..... - ..... = .....
- d How many pupils who prefer drawing and music?  
Number of Pupils = ..... + ..... = .....

Primary 2 - Term 1



## Lesson

(7, 8)

Collecting data  
Representing data by bar graph

Activity

01

When ask 200 student about their favourite colour and represent it by the following graph :

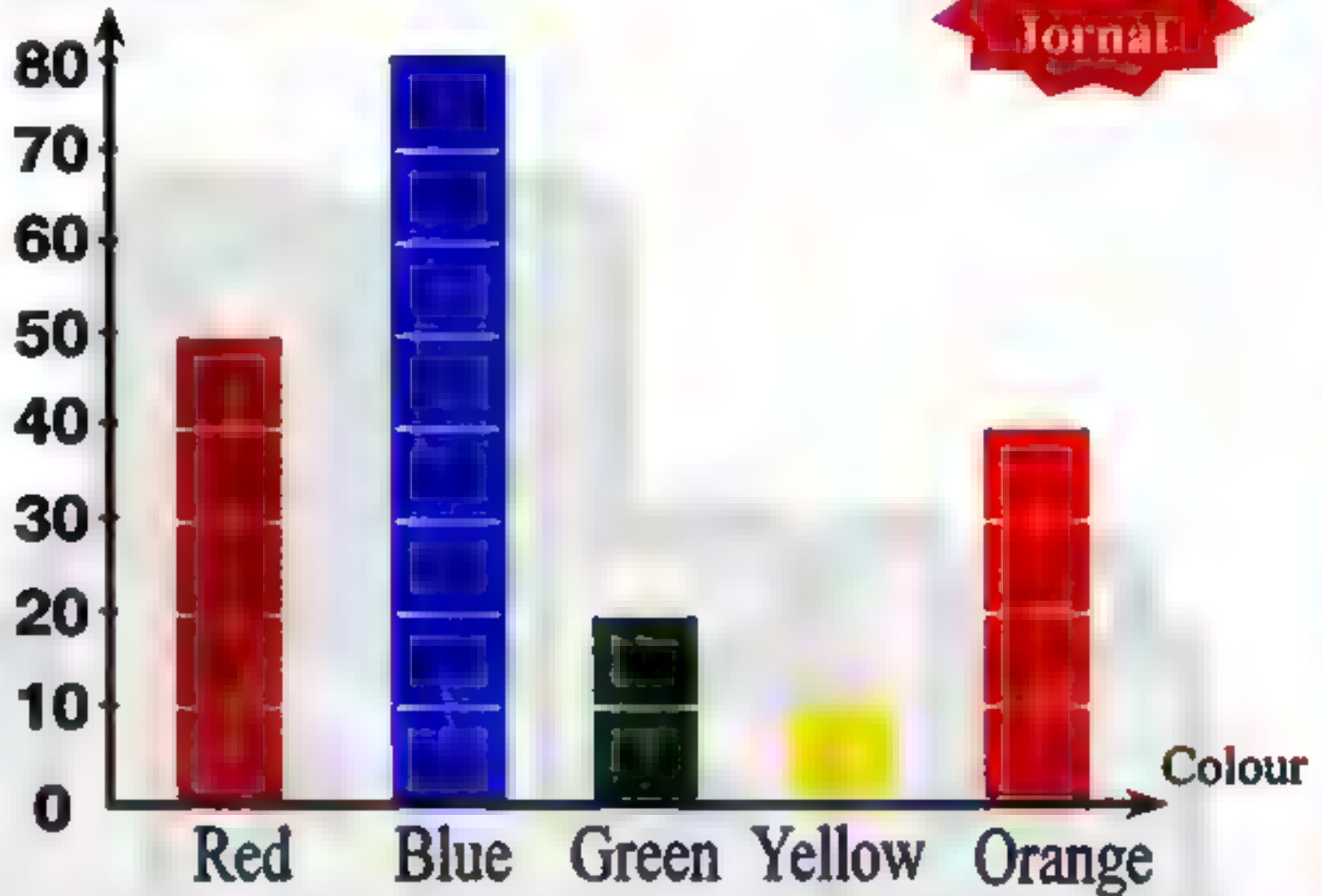
Number of students

Maths  
Journal

Notice

A scale of 10  
0, 10, 20,  
30, 40, 50,  
60, 70, 80

Counting by  
Skipping 10



From the previous graph answer the following :

- The best colour for students is .....
- The least preferring colour is ..... , Number Pupils who prefer it .....
- How many pupils who prefer **yellow** and green ?  
Number of Pupils = ..... + ..... = .....
- What is the difference between the number of pupils who prefer **red** and the number of pupils who prefer **orange** ?  
Number of Pupils = ..... - ..... = .....

Bakkar Series

31



## BAKKAR

## Representing data

Activity

2

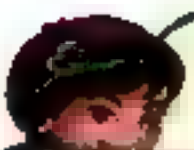
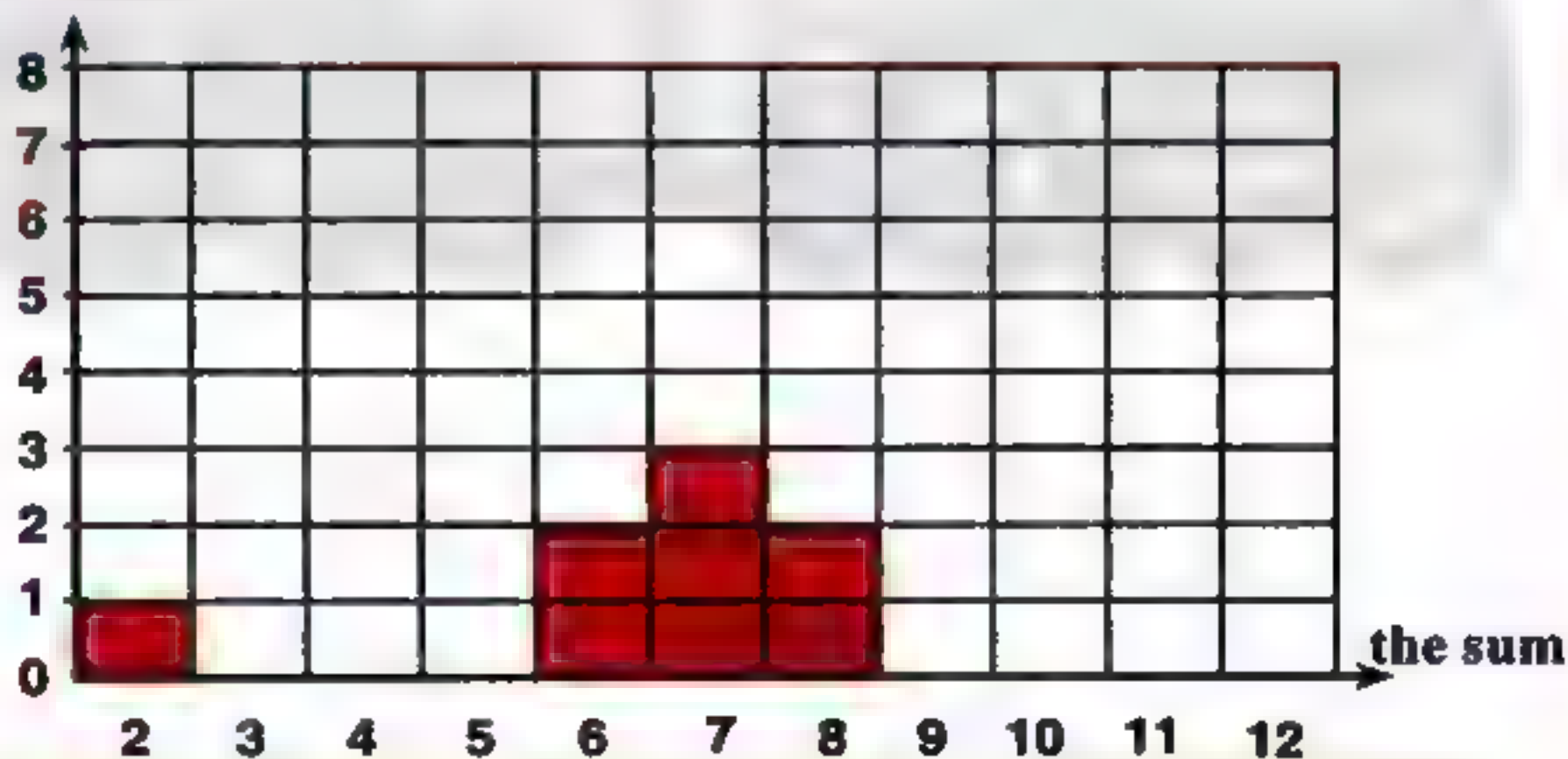
As rolling two dice and add the two numbers on the upper face, the result was as the following.



Represent the frequency in the table and complete the graph :

Total	2	3	4	5	6	7	8	9	10	11	12
No. of rolling	1	...	...	...	2	3	2	...	...	...	...

No. of rolling



The lowest total ( sum of the smallest 2 number ) =  $1 + 1 = \dots$

Notice

The highest total ( sum of the biggest 2 number ) =  $\dots + \dots = \dots$



## Self - check on lesson (7, 8)

- 1 In a class the teacher asked the pupils about the favourite days in the week 6 pupils choose Thursday , 10 choose Friday , 7 choose Saturday 8 choose Sunday :

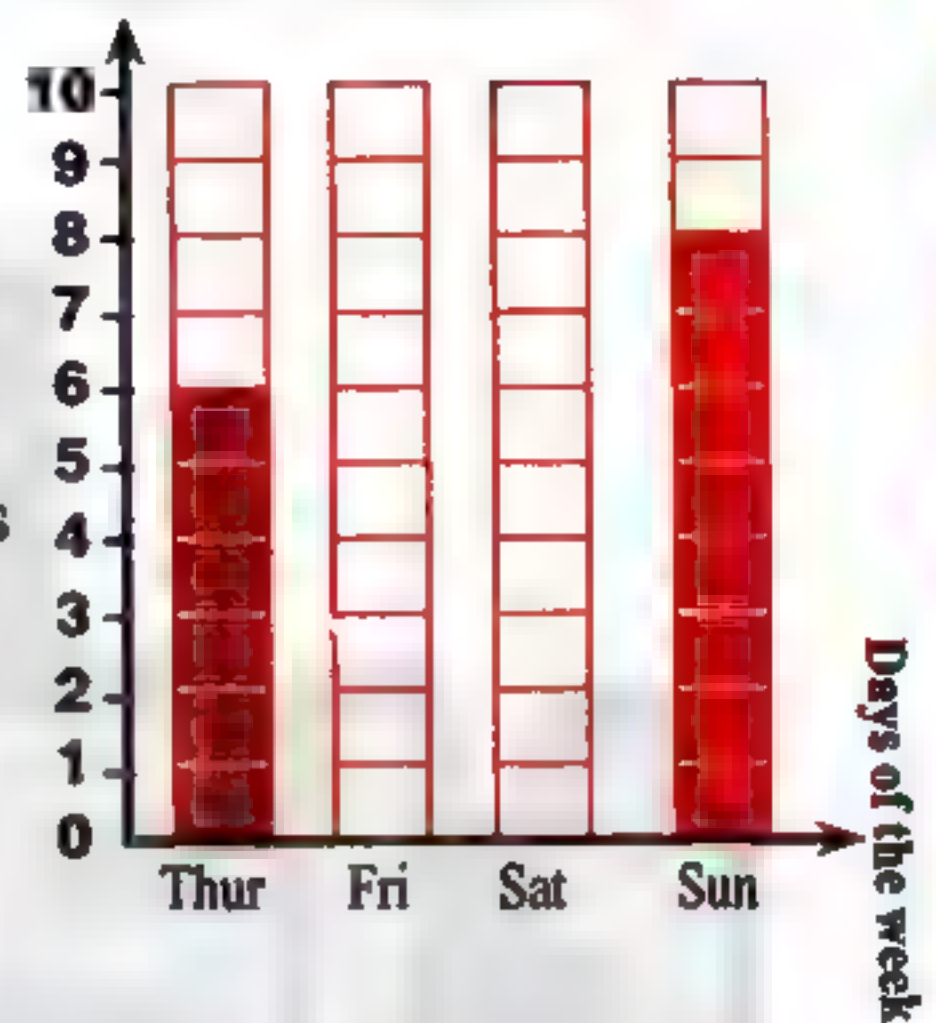
a Complete the following bar graph.

b The favourite day is .....

c Number of pupils who prefer Friday .... Number of pupils who prefer Thursday

( = , > , < )

Number of students

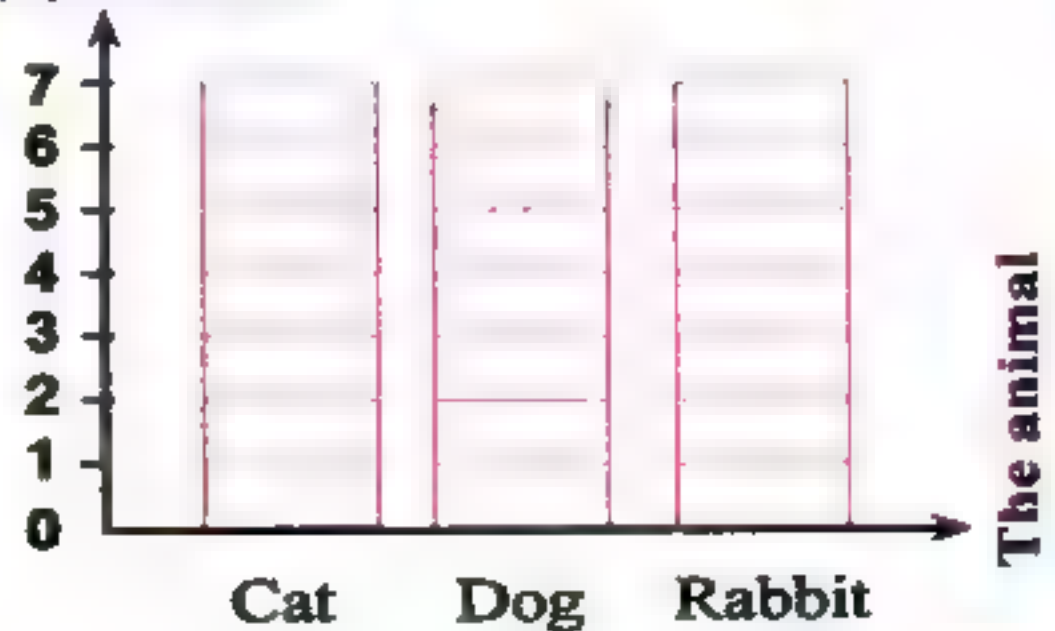


- 2 Notice and complete the table and the graph :



The animal	The number
Cat	.....
Dog	.....
Rabbit	.....

The number



\* No. of dogs .... No. of cats

Bakkar Series



## BAKKAR

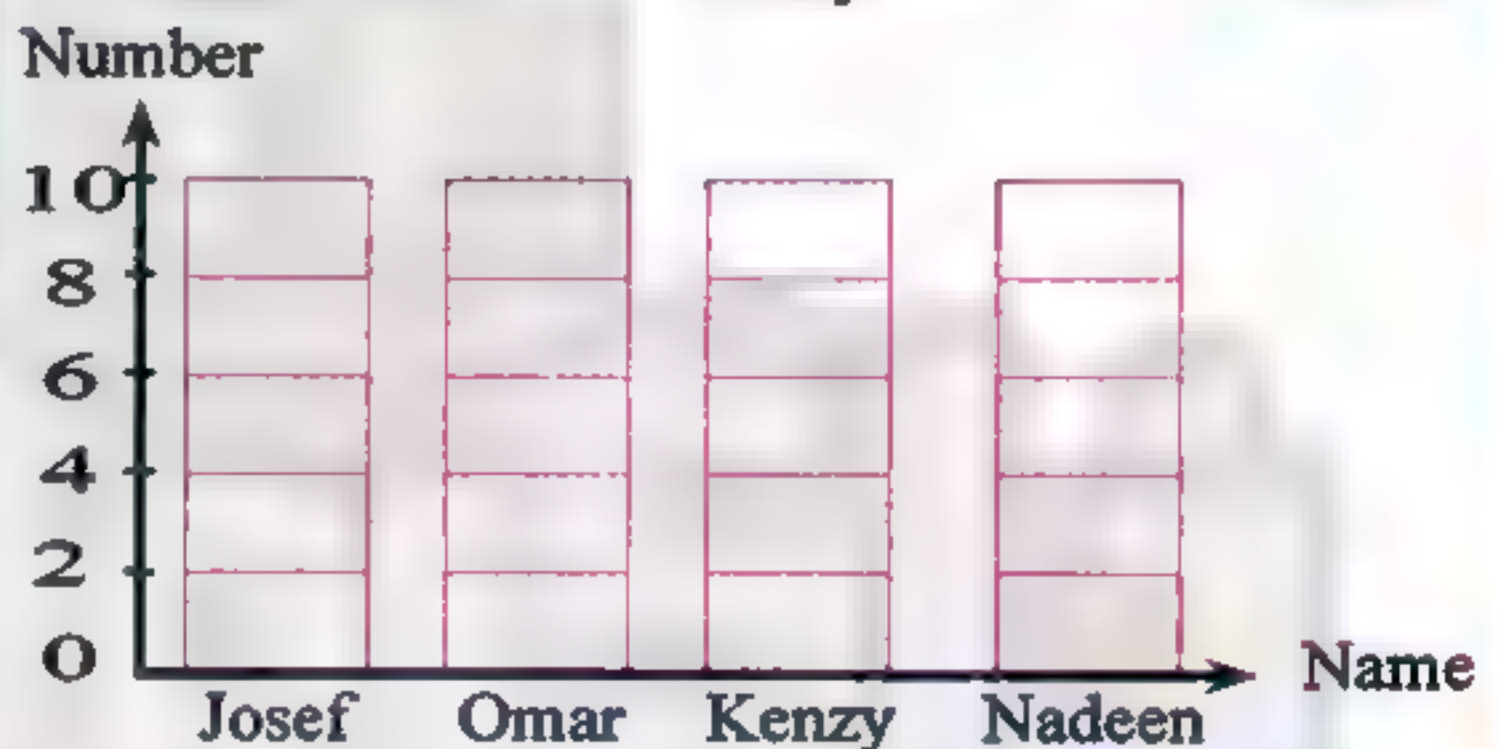
## Representing data

3 Notice and complete :

تابعنا على صفحتنا على الفيسبوك  
www.facebook.com/ZakroolySite



Name	Number
Josef	.....
Omar	.....
Kenzy	.....
Nadeen	.....



4 From the table complete the bar graph :

Discover Book

Job	Brother	Sister	Mam	Dad
Number	4	2	2	5





## Lesson

( 9 , 10 )


































## Picture graph and bar graph

Activity

1


Look at the table and study the number of flowers :

Maths  
Journal

Sunday								
Monday								
Tuesday								
Wednesday		 	 	 	 	 	 	
Thursday								

- a) How many flowers were pick on Monday? .....
- b) How many flowers were pick on Thursday? .....
- c) Are there two days they pick the same number of flowers? .....
- d) How many flowers were pick on Monday and Tuesday? .....
- e) On what day do you pick the least number of flowers? .....
- f) On what day do you pick the most number of flowers? .....
- g) How more flowers were pick on Wednesday than on Thursday? .....
- h) How many flowers were pick on Monday, Tuesday and Thursday? .....

Notice the key

 = 1 flower ,  = 2 flowers

Bakkar Series

65

هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى

مكتاب بحكار

موقع ذاكرولى التعليمى

الصف الثانى الابتدائى



## Activity

2

Frame the picture graph draw the bar graph :

Monday								
Tuesday								
Wednesday								
Thursday								
Friday								

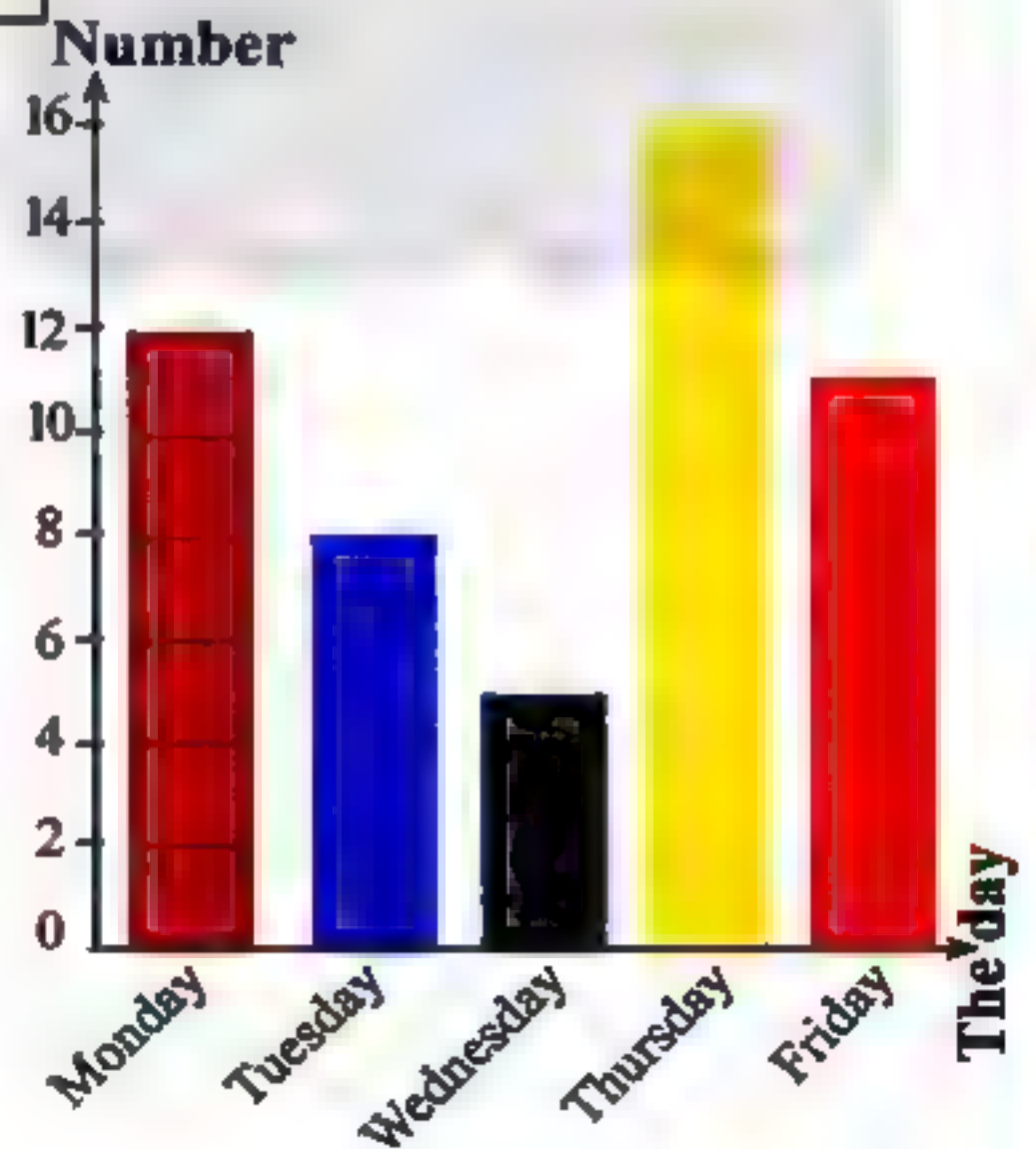
The way to draw the bar graph :

Find the number of crab in each day then represent it by a bar :



 = 1 Crab ,  = 2 Crab

- The number in Monday = 12
- The number in Tuesday = 8
- The number in Wednesday =  $4 + 1 = 5$
- The number in Thursday = 16
- The number in Friday =  $10 + 1 = 11$




















تابع جيبه ذاكرولي على موقعنا  
<https://www.zakrooly.com>



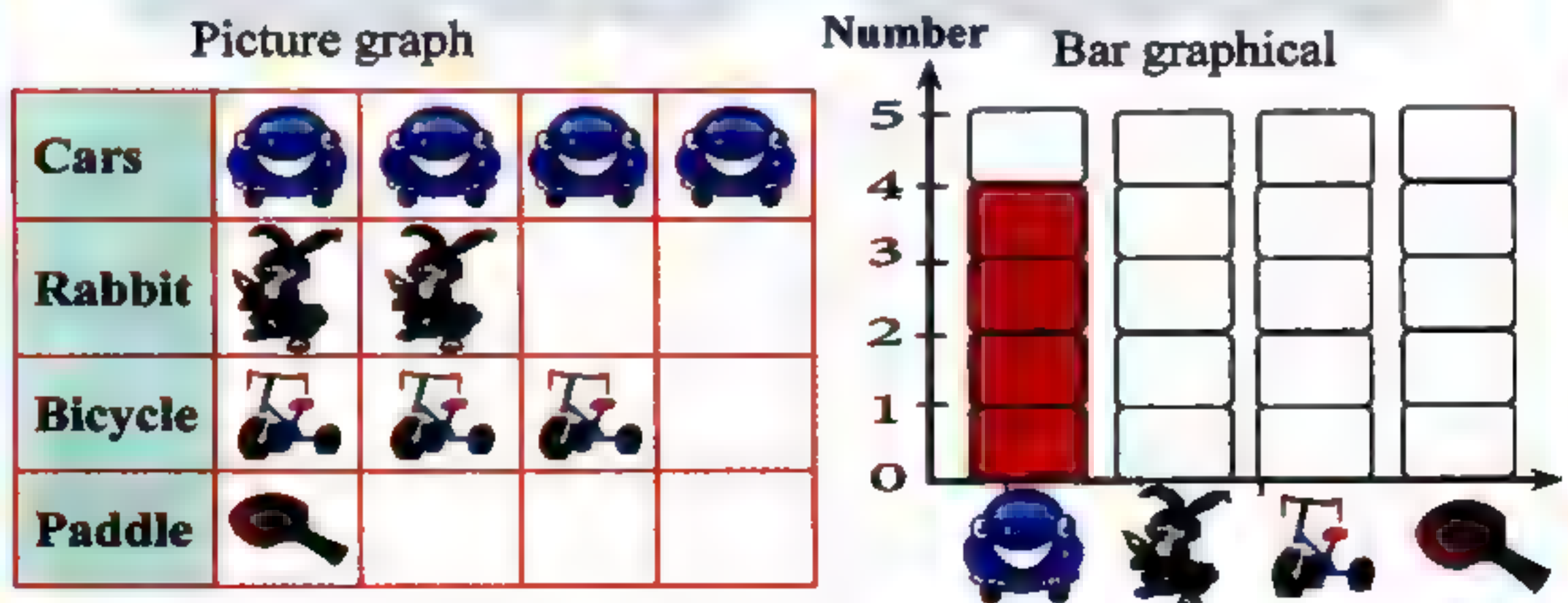
# Self - check on lesson ( 9 , 10 )

1 From the picture graph choose :

Butterfly								
Tomatoes								
Hen								

- a Number of  = ..... ( 6 , 5 , 4 )
- b Number of  = ..... ( 6 , 7 , 8 )
- c Number of   number of  ( > , = , < )

2 From the picture graph complete the bar graph :




















Bakkar Series




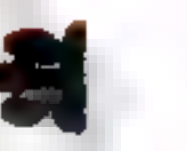




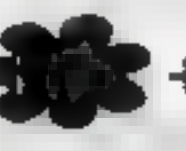



3 From the picture graph notice and complete :

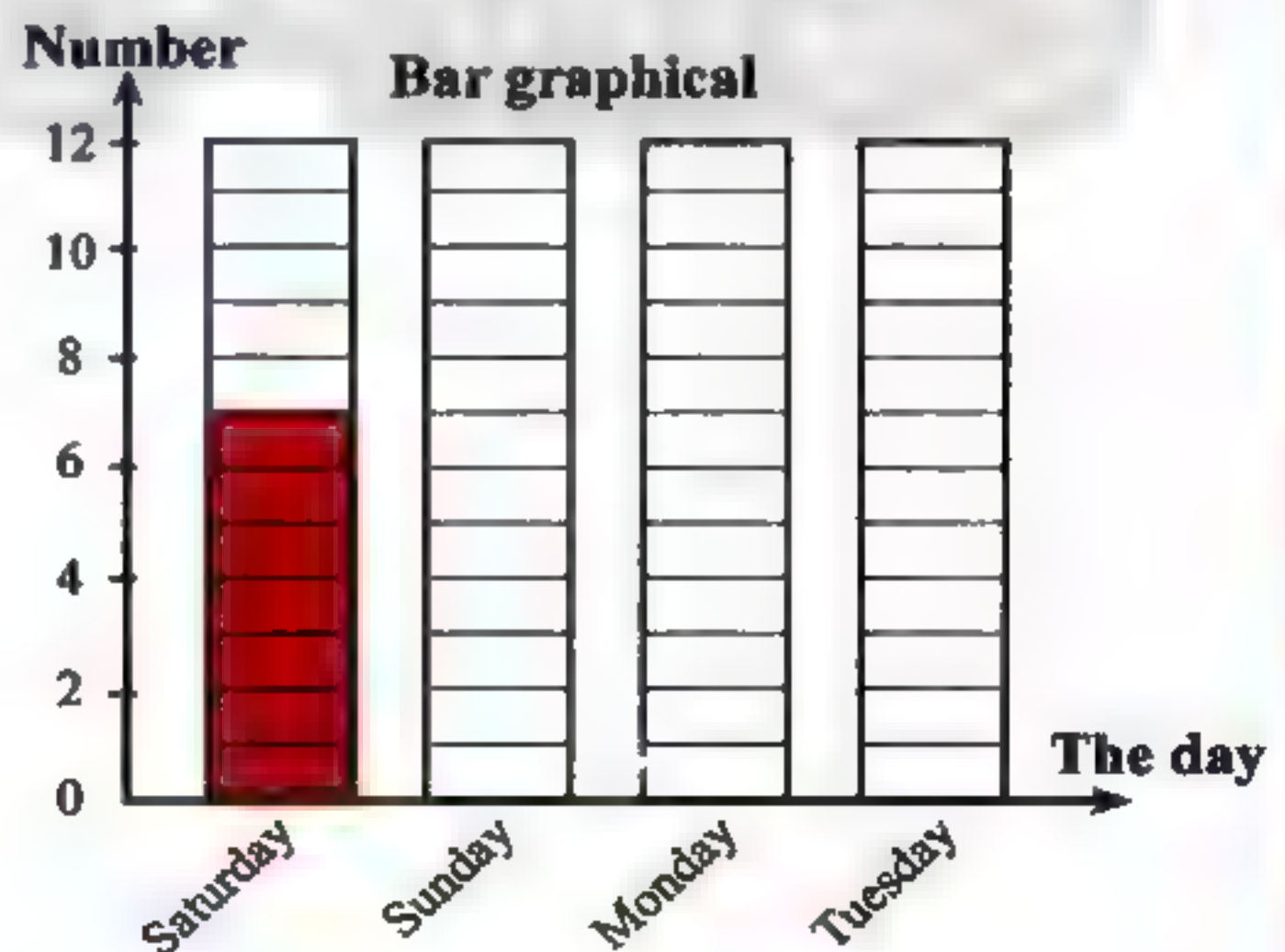
Saturday							
Sunday							
Monday							
Tuesday							

 Notice  = 1 Flower ,  = 2 Flower

a Number of flowers at Saturday =  +  +  +   
= 2 + ..... + ..... + 1 = .....

b Number of flowers at Sunday =  +  +  +   
= 2 + ..... + ..... + 2 = .....

\* From the picture graph draw the bar graph :

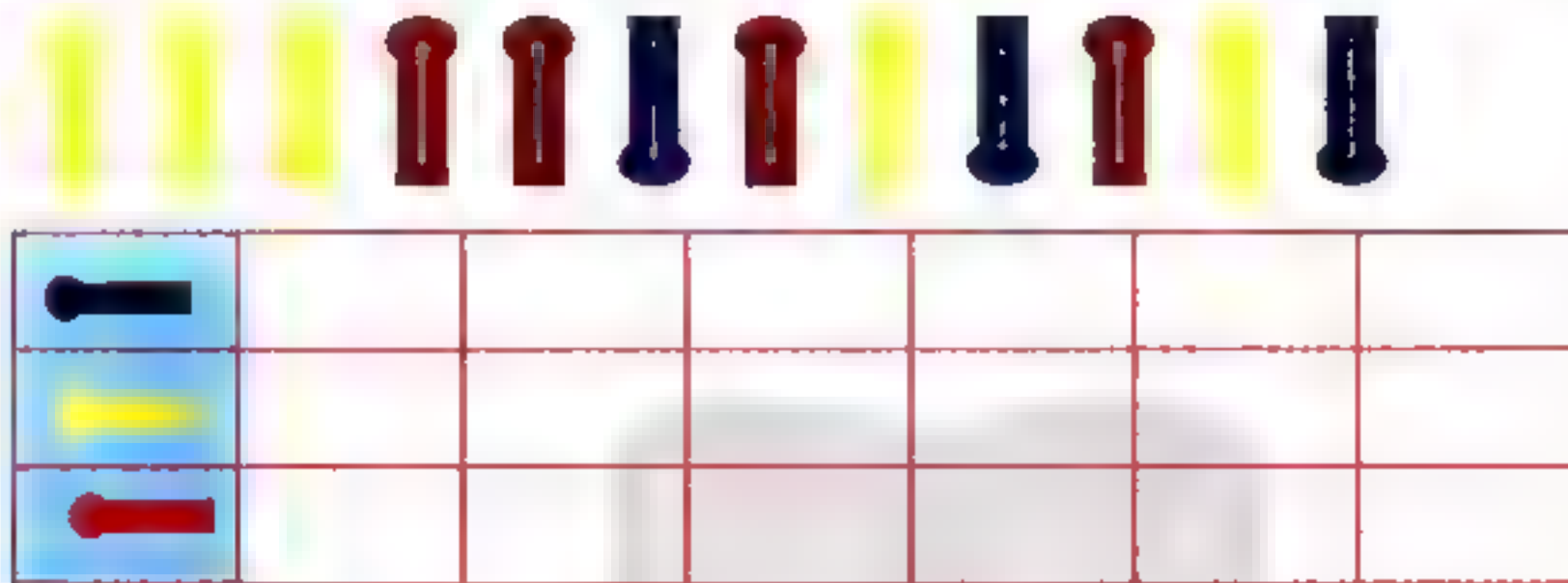


Primary 2 - Term 1



## Self - check 1 Chapter 1

1 From the shapes complete the picture graph :

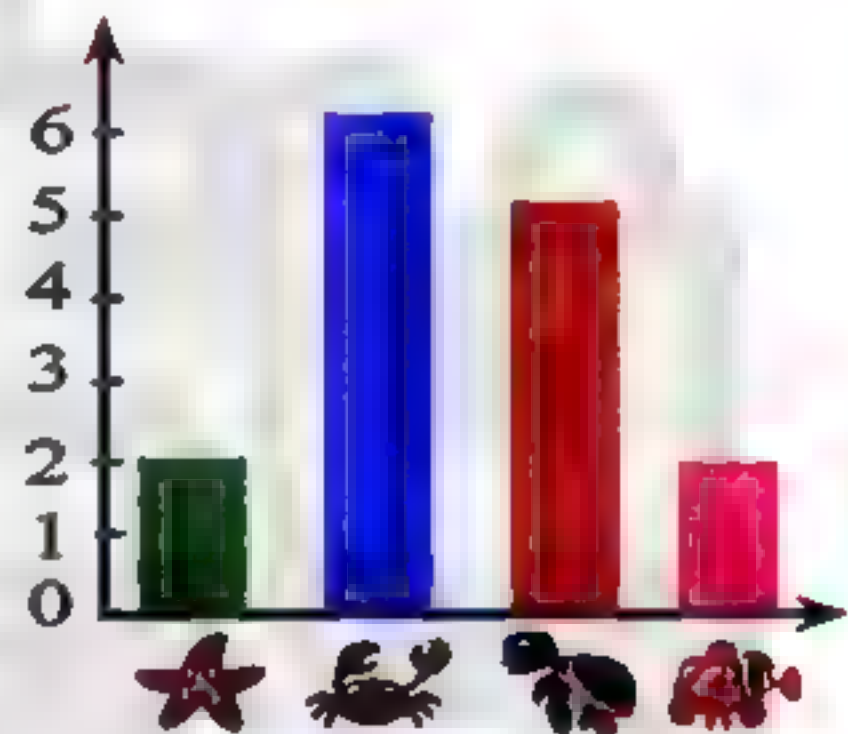


2 From the bar graph complete :

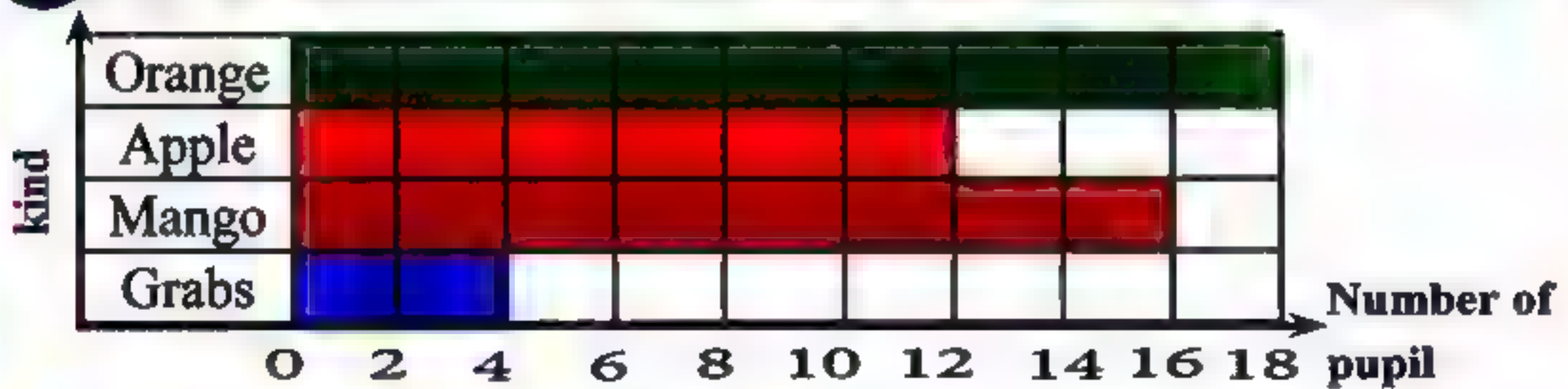
a The greatest number is.....

b The sum of and = ..... + ..... = .....

c The difference between number of and = ..... - ..... = .....



3 From the graph complete with the suitable sign ( $>$ ,  $=$ ,  $<$ ):



a Number of pupils who prefer Grape (....) Number of pupils who prefer Mango

b Number of pupils who prefer apple (....) Number of pupils who prefer Orange

Bakkar Series

39



Self - check 2 Chapter 1

1 From the bar graph complete :

- a The most prefer fruit is .....
- b The least prefer fruit is .....
- c Number of pupils whose prefer orange and strawberry = ..... + ..... = .....



2 Complete the table then choose :



Shape	Number
	.....
	.....
	.....

- a The number ( 3 , 4 , 5 )
- b The number ( > , = , < ) The number

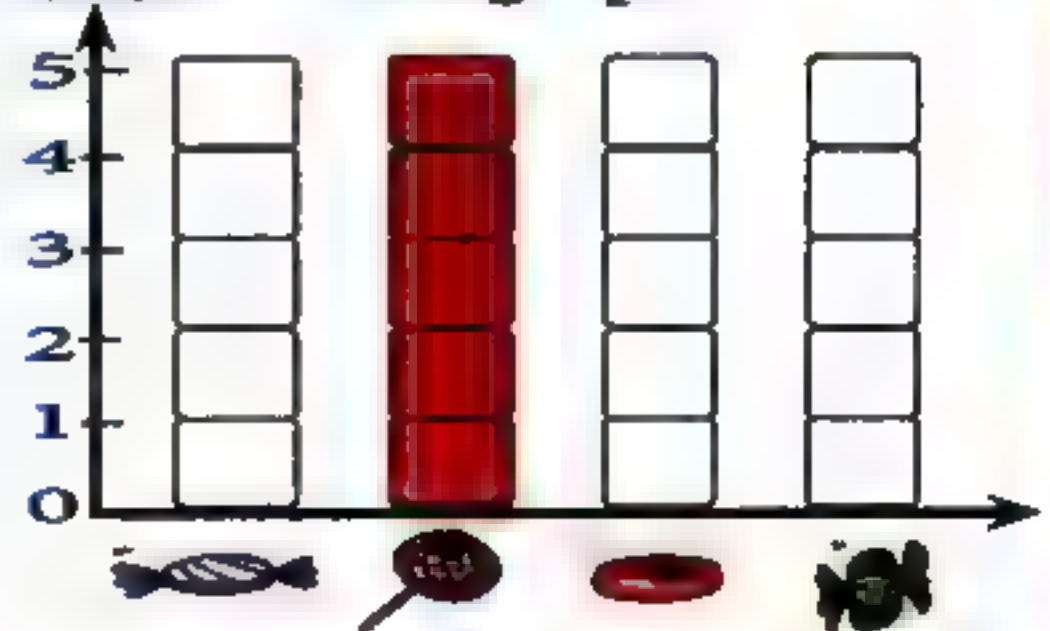
3 From the picture graph complete the bar graph :

Picture graph



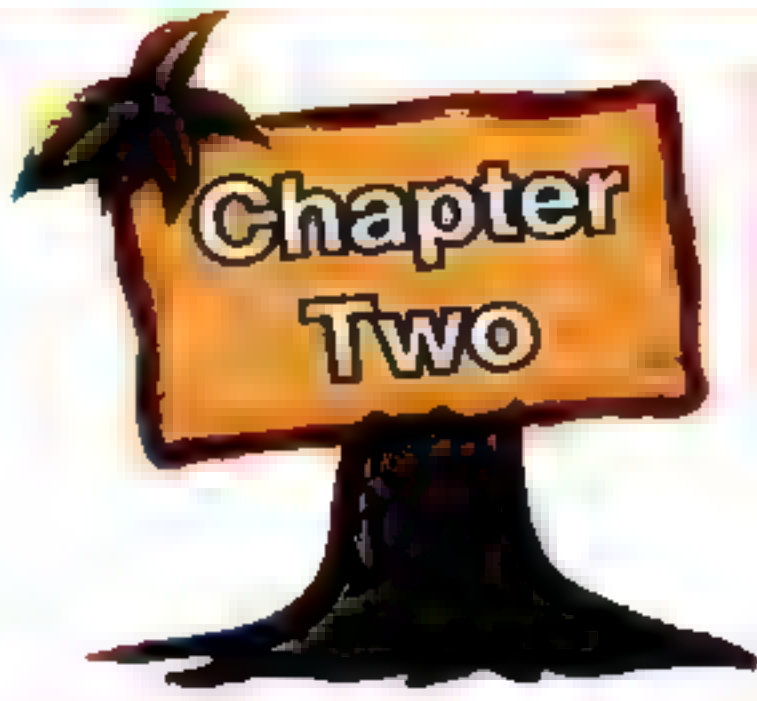
Number

Bar graph



Primary 2 - Term 1





لا تنس الاشارة في  
قنوات ذاكرولي  
على تطبيق التليجرام



## Mental Math

to solve the addition and subtraction problems

### Key Vocabulary

Addend	الأعداد المضافة
Bigger	أكبر من
Bottle	زجاجة
Calender	التقويم
Circle	دائرة
Column	عمود
Combination	التجمع
Complete	أكمل
Counting on	العد للأمام
Difference	الفرق
Double	ضعف
Draw	ارسم
Engineer	مهندس
Family	عائلة
Mental Math	الحساب العقلي

Pass	يعبر
Pattern	نمط
Pen	قلم
Road	طريق
Room	حجرة
Row	صف
Ruler	مسطرة
Smaller	أصغر من
Story Problem	سؤال لفظي
Strategy	الاستراتيجية
Subtrahend	المطروح منه
Sum	مجموع
Tourist	سائح
Uncle	عم / خال
Unknown	مجهول
Water	ماء

Bakkar  
Self-Check  
On each  
Chapter

### Content

Bakkar  
Self-Check  
On each  
lesson

Exercise  
inspired by  
Math Jornal

Exercise  
inspired by  
Discover Book



## Lesson

( 11 , 12 )

Adding doubles -  
Counting on to add and subtract

Activity

1

Complete adding ( using double ) as in Ex :

Ex



$$2 + 2 = 4$$

Ex



$$1 + 1 = 2$$



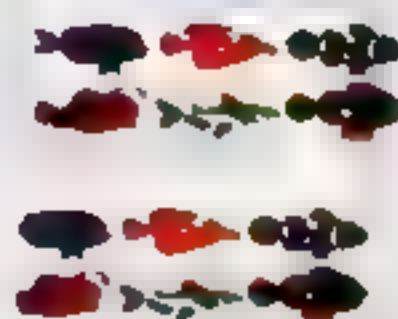
$$3 + 3 = \dots\dots$$



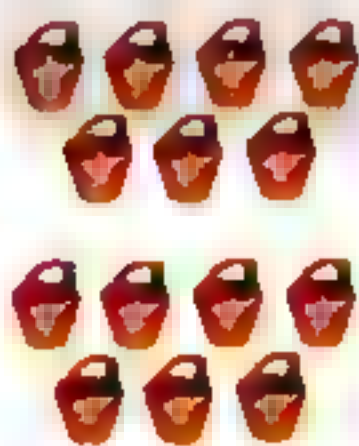
$$4 + 4 = \dots\dots$$



$$5 + 5 = \dots\dots$$



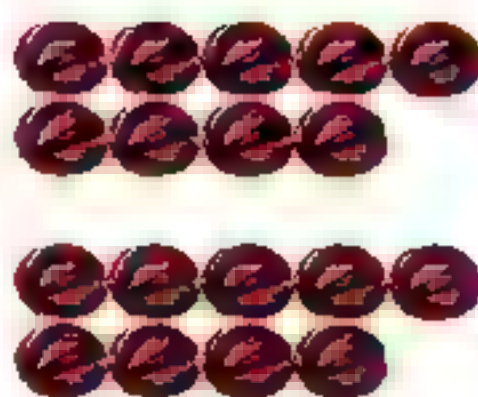
$$6 + 6 = \dots\dots$$



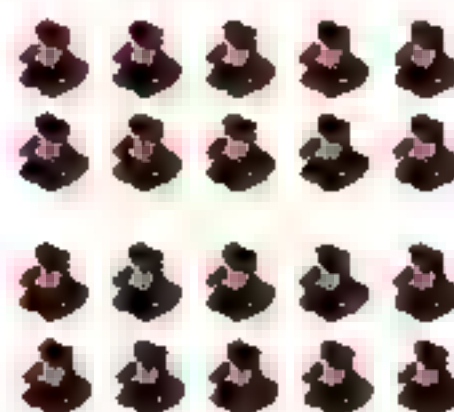
$$7 + 7 = \dots\dots$$



$$8 + 8 = \dots\dots$$



$$9 + 9 = \dots\dots$$



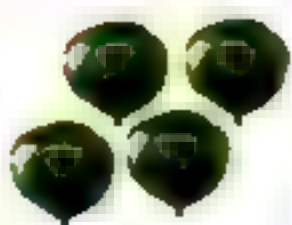

$$10 + 10 = \dots\dots$$



## Chapter 2

**Activity 2** Using double to find the following :

**Ex**    $4 + 5 = \dots\dots\dots$

**Solution**    $4 + 5 = 4 + 4 + 1 = 8 + 1 = 9$

**Exercise 1** Using double to find the following :

**Ex**  $3 + 4 = \dots\dots + \dots\dots + \dots\dots = \dots\dots + \dots\dots = \dots\dots$

**Solution**  $3 + 4 = 3 + 3 + 1 = 6 + 1 = 7$

**a**  $8 + 9 = \dots\dots + \dots\dots + 1 = \dots\dots + 1 = \dots\dots$

**b**  $5 + 6 = \dots\dots + \dots\dots + \dots\dots = \dots\dots + \dots\dots = \dots\dots$

**c**  $7 + 8 = \dots\dots + \dots\dots + \dots\dots = \dots\dots + \dots\dots = \dots\dots$

**Exercise 2** A class has 10 boys and 10 girls .  
How many pupils in the class?

**Solution**  
Number of pupils =  $\dots\dots + \dots\dots = \dots\dots$  pupils.

**Exercise 3** Ahmed bought 8 red pens and 9 green pens .  
What is the number of pens?

**Solution**  
Number of pens =  $8 + 9 = \dots\dots + \dots\dots + 1 = \dots\dots$  Pens.

**Bakkar Series**

43



## BAKKAR

## Mental math

Activity 3 Find as in Ex [ Count forward ] :

Ex  $12 + 7 = \dots\dots$

- Start by greater number **12**
- Count on **7** after **12**
- The sum equal **19**

Solution  $12 + 7 = 19$

(a)  $8 + 9 = \dots\dots$

(b)  $6 + 5 = \dots\dots$

(c)  $4 + 9 = \dots\dots$

(d)  $7 + 8 = \dots\dots$

(e)  $7 + 4 = \dots\dots$

(f)  $8 + 3 = \dots\dots$

Exercise 4 My uncle is an engineer he choose **13** programs to do his work , then choose another **6** programs .  
How many programs did he use ?

Discover book

Solution \* start by **13** then count **6** numbers

Number of programs =  $\dots\dots + \dots\dots = \dots\dots$  programs



Activity 4 Find the result using count on :

Ex  $12 - 7 = \dots\dots$

- Start by smaller number **7**
- Count on the number of skipping to **12**
- The result will be **5**

Solution  $12 - 7 = 5$

(a)  $13 - 4 = \dots\dots$

(b)  $11 - 6 = \dots\dots$

(c)  $15 - 8 = \dots\dots$

(d)  $14 - 5 = \dots\dots$

(e)  $18 - 9 = \dots\dots$

(f)  $10 - 8 = \dots\dots$

Exercise 5 I have **11** apples and I ate **3** of them .  
How many apples remained ?

\* Start from **3** count on the skipping to **11**

Solution The remainder =  $\dots\dots - \dots\dots = \dots\dots$  apples.



## Self - check on lesson (11, 12)

1 Put line under the doubles as **Ex** :

**Ex**

3, 3

4, 3

5, 6

8, 7

9, 9

6, 7

0, 0

2, 1

10, 10

4, 5

5, 5

3, 2

2 Answer the following :

نفوقه في اي عمل عليه العلامة دي

a  $8 + 8 = \dots\dots$

b  $7 + 7 = \dots\dots$

c  $3 + 3 = \dots\dots$

d  $0 + 0 = \dots\dots$

e  $9 + 9 = \dots\dots$

f  $6 + 6 = \dots\dots$

g

$$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$$

h

$$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$$

i

$$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$$

j

$$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$$

3 My brother has 7 pens and my sister has the same number of pens . How many pens do they have ?



**Solution** Number of pens =  $\dots\dots + \dots\dots = \dots\dots$  pens.

**Bakkar Series**

45



## BAKKAR

## Mental math

4 Using double to find the sum as in (a) :

(a)  $3 + 2 = 1 + \dots + \dots = 1 + \dots = \dots$

 Solution  $3 + 2 = 1 + 2 + 2 = 1 + 4 = 5$

(b)  $5 + 4 = 1 + \dots + \dots = 1 + \dots = \dots$

(c)  $9 + 8 = 1 + \dots + \dots = 1 + \dots = \dots$

(d)  $7 + 6 = 1 + \dots + \dots = 1 + \dots = \dots$

5 Find the result of the following :

$$\begin{array}{r} 8 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 4 \\ \hline \end{array}$$


$$\begin{array}{r} 10 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 6 \\ \hline \end{array}$$

6 When I pass the road my sister hold my hand .  
How many fingers in our hands ?


Discover  
book

 Solution

Number of fingers =  $5 + 5 = \dots$  fingers



7 A family has 2 boys and 2 girls .  
How many children in the family ?

 Solution Number of children =  $\dots + \dots = \dots$  Children



## Lesson

( 13 , 14 )

## Adding and subtracting by making 10

Activity 1 Notice the 120 frame :

## Row

Moving by ones from left to right

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

Moving by Ones

31	32	33	34	35	36	37	38	39	40
----	----	----	----	----	----	----	----	----	----

The number is decreasing

## Column

Move up and down

97
87
77
67
57
47
37
27
17
7

Moving  
by 10

94
84
74
64
54
44
34
24
14
4

Decreasing by 10    Increasing by 10

Activity 2 From the chart , Find  $4 + 10$  :

\* Start from 4 move one square to up get 14

31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Solution  $4 + 10 = 14$ 

Exercise 1 Using the previous chart , Find :

Solution  $28 + 10 = 38$     Start from 28 move one square to up get 38

a  $7 + 10 = \dots\dots$

c  $1 + 10 = \dots\dots$

b  $5 + 10 = \dots\dots$

d  $11 + 10 = \dots\dots$

Bakkar Series

47



**Activity 3** From the Chart, Find :  $15 - 10$  :

\* Start from 15 move one square down the result is 5

31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

**Exercise 2** Using the previous chart, Find :

**Solution**  $29 - 10 = \dots\dots$  Start from 29 move one square to up get 19

a  $12 - 10 = \dots\dots$

b  $35 - 10 = \dots\dots$

c  $34 - 10 = \dots\dots$

d  $40 - 10 = \dots\dots$

**Activity 4** Using 10 frame to find the bonds of 10 :

**Ex**  $5 + \dots\dots = 10$

•	•	•	•	•

**Solution**  $5 + 5 = 10$

Draw • until complete all the frame then count them

•	•	•	•	•
•	•	•	•	•

a  $6 + \dots\dots = 10$

•	•	•	•	•
•				

b  $9 + \dots\dots = 10$

•	•	•	•	•
•	•	•	•	

c  $7 + \dots\dots = 10$

•	•	•	•	•
•	•			



## Chapter 2

## Exercise 3 Using the bonds of 10 to add as Ex :

Decompose  
To make 10  
Strategy

Ex  $5 + 7 = \dots\dots$



Solution  $5 + \begin{matrix} 5 \\ 2 \end{matrix} = 10 + 2 = 12$



We analyse any of the two numbers into two numbers, one of which completes ten with the other

a  $7 + 7 = \dots\dots$

Solution  $7 + \begin{matrix} 3 \\ 4 \end{matrix} = 10 + 4 = \dots\dots$

b  $5 + 9 = \dots\dots$

Solution  $5 + \begin{matrix} 5 \\ 4 \end{matrix} = 10 + \dots = \dots\dots$

c  $6 + 5 = \dots\dots$

Solution  $6 + \begin{matrix} \dots \\ \dots \end{matrix} = \dots + \dots = \dots\dots$

## Exercise 4 Using the bonds of 10 to subtract as Ex :

We analyse this number into two numbers, one of which is the ones of the subtrahend

Ex  $15 - 7 = \dots\dots$

Solution  $15 - \begin{matrix} 5 \\ 2 \end{matrix} = 10 - 2 = 8$

a  $14 - 6 = \dots\dots$

Solution  $14 - \begin{matrix} 4 \\ 2 \end{matrix} = 10 - \dots = \dots\dots$

b  $11 - 9 = \dots\dots$

Solution  $11 - \begin{matrix} 1 \\ 8 \end{matrix} = 10 - 8 = \dots\dots$

c  $15 - 8 = \dots\dots$

Solution  $15 - \begin{matrix} \dots \\ \dots \end{matrix} = \dots - \dots = \dots\dots$

Bakkar Series

49



## Self - check on lesson (13, 14)

1 Using the 120 frame to find as in a :

a  $2 + 10 = \dots\dots 12$

b  $8 + 10 = \dots\dots$

c  $71 + 10 = \dots\dots$

d  $52 + 10 = \dots\dots$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

2 Using the bonds of 10 to find as Ex :

Decompose  
To make 10  
Strategy

Ex  $6 + 8 = \dots\dots$



Solution

$6 + \begin{matrix} 4 \\ 4 \end{matrix} = 10 + 4 = 14$

a  $9 + 7 = \dots\dots$



Solution

$9 + \begin{matrix} 1 \\ 6 \end{matrix} = 10 + \dots\dots = \dots\dots$

b  $6 + 6 = \dots\dots$



Solution

$6 + \begin{matrix} 4 \\ \dots \end{matrix} = 10 + \dots\dots = \dots\dots$

c  $7 + 8 = \dots\dots$



Solution

$7 + \begin{matrix} \dots \\ \dots \end{matrix} = \dots\dots + \dots\dots = \dots\dots$

d  $4 + 9 = \dots\dots$



Solution

$4 + \begin{matrix} \dots \\ \dots \end{matrix} = \dots\dots + \dots\dots = \dots\dots$

e  $8 + 3 = \dots\dots$



Solution

$8 + \begin{matrix} \dots \\ \dots \end{matrix} = \dots\dots + \dots\dots = \dots\dots$



## Chapter 2

3 Using the 120 frame to find as in a :

a  $21 - 10 = 11$

b  $45 - 10 = \dots\dots$

c  $83 - 10 = \dots\dots$

d  $15 - 10 = \dots\dots$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

4 Using the bonds of 10 to find as Ex :

Decompose  
To make 10  
Strategy

Ex  $11 - 3 = \dots\dots$

Solution

$11 - \begin{matrix} 1 \\ 2 \end{matrix} = 10 - 2 = 8$

a  $15 - 6 = \dots\dots$

Solution

$15 - \begin{matrix} 5 \\ 1 \end{matrix} = 10 - \dots\dots = \dots\dots$

b  $14 - 9 = \dots\dots$

Solution

$14 - \begin{matrix} 4 \\ \dots \end{matrix} = 10 - \dots\dots = \dots\dots$

c  $16 - 8 = \dots\dots$

Solution

$16 - \begin{matrix} \dots \\ \dots \end{matrix} = \dots\dots - \dots\dots = \dots\dots$

d  $13 - 8 = \dots\dots$

Solution

$13 - \begin{matrix} \dots \\ \dots \end{matrix} = \dots\dots - \dots\dots = \dots\dots$

e  $18 - 9 = \dots\dots$

Solution

$18 - \begin{matrix} \dots \\ \dots \end{matrix} = \dots\dots - \dots\dots = \dots\dots$

Bakkar Series

51



## Lesson

( 15 , 16 )

Solving word problems on addition and subtraction

## Exercise

1

Answer the following :

- a) Asmaa has ( 6 ) flowers and she get another ( 7 ) flowers .  
How many flowers with Asmaa ?



Solution

( Using one of the following method )

Count on strategy  $6 + 7 = 13$ double strategy  $6 + 7 = 6 + 6 + 1 = 12 + 1 = 13$ bonds of 10 strategy  $6 + 7 = 6 + 4 + 3 = 10 + 3 = 13$ 

- b) Mokhtar has 6 In a bottle and 8 In another bottle .  
How many which Mokhtar has ?



Solution

Number of = ..... + ..... = .....

- c) Rady saw 2 on the table and 3 under it .  
How many are there ?



Solution

Number of = ..... + ..... = .....

- d) Maryam found 7 and 5 .  
How many are there ?



Solution

Number of = ..... + ..... = .....



## Chapter 2

**Exercise 2** Answer the following as in ( a ) :

- (a) Salma catch 18 🐸 she cooked 10 of them ,

How many 🐸 remained ?

We start with the smallest number 10 then  
count on the skipping up to 18  
So we get 8

**Solution** Number of 🐸 =  $18 - 10 = 8$

- (b) Ahmed has 15 🐢 he put 6 in water . How many 🐢 remained ?

**Solution** Number of 🐢 = ..... - ..... = ..... 🐢

- (c) Mostafa bought 16 🏮 he put 6 🏮 on the table .  
How many 🏮 with him ?

**Solution** Number of 🏮 = ..... - ..... = ..... 🏮

- (d) With Rashida 13 🍎 , she gave her father 3 🍎 .  
How many 🍎 left with her?

**Solution** Number of 🍎 = ..... - ..... = ..... 🍎

- (e) With Laila 17 🌹 and she gave her sister 10 🌹 .  
How many 🌹 remained with Laila?

**Solution** Number of remaining 🌹 = ..... - ..... = ..... 🌹

**Bakkar Series**

53



## Self - check on lesson (15, 16)

1 Using the 120 frame to find as in a :

a  $14 + 4 = \dots\dots$

Start : circle the number (14) and count on (4) then we get the number (18)

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

b  $28 - 4 = \dots\dots$

c  $33 + 6 = \dots\dots$

d  $67 - 6 = \dots\dots$

2 Answer the following :

Aya has 4 ruler , her sister has the same number of ruler .  
How many rulers do they have ?



Solution Number of  = ..... + ..... = ..... 

3 Answer the following :

Mrawan has 14 birds , he gave 6 birds to his friend .  
How many birds remained with him ?

Solution Number of remaining = ..... - ..... = ..... birds.





## Chapter 2

4 Using the 120 frame to find as in a :

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

a Shahenda has ( 8 )  and she bought another ( 8 ) .



What is the total number of  ?

 Solution Number of  = 8 + 8 = 16 

b Ezz bought ( 9 ) books, he bought another ( 6 ) books.

What is the total number of books ?

 Solution The total number of book = ..... + ..... = .....

c Heba has ( 7 ) , her teacher gave ( 9 )  to her .

What is the number of  ?

 Solution Number of  = ..... + ..... = ..... 

d A class has ( 17 ) girls , ( 9 ) girls of them are absent .

What is the number of present girls ?

 Solution Number of girls = ..... - ..... = ..... girls

e Ali and Ahmed has ( 9 ) pounds each .

How many pounds with them ?

 Solution The sum = ..... + ..... = ..... pounds

Discover  
book

Bakkar Series

55



## General Self - check

1 Answer the following (double strategy) :

a  $2 + 2 = \dots\dots$

b  $5 + 5 = \dots\dots$

c  $8 + 8 = \dots\dots$

d 
$$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$$

e 
$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$

f 
$$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$$

g 
$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$$

2 Using the 120 frame to find :

a  $25 + 10 = \dots\dots$

b  $13 + 10 = \dots\dots$

c  $57 - 10 = \dots\dots$

d  $76 - 10 = \dots\dots$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

3 Complete using count on strategy :

a  $6 + 9 = \dots\dots$

- \* Start with the greatest .....
- \* Count on .....
- \* We get .....

b  $7 + 5 = \dots\dots$

- \* Start with the greatest .....
- \* Count on .....
- \* We get .....

c  $11 - 8 = \dots\dots$

- \* Start with the smallest .....
- \* Count the skipping up to .....
- \* the difference is .....

d  $12 - 5 = \dots\dots$

- \* Start with the smallest .....
- \* Count the skipping up to .....
- \* the difference is .....



## Chapter 2

4 Use the double to find :

a  $3 + 4 = \dots + \dots + 1 = \dots + 1 = \dots$

b  $7 + 8 = \dots + \dots + \dots = \dots + \dots = \dots$

5 Use the bonds of 10 to find :

a  $8 + 7 = \dots$  Solution  $8 + \begin{array}{|c|} \hline \dots \\ \hline \end{array} = 10 + \dots = \dots$

b  $14 - 6 = \dots$  Solution  $14 - \begin{array}{|c|} \hline \dots \\ \hline \end{array} = 10 - \dots = \dots$

6 A class has ( 17 ) pupils , ( 9 ) of them are girls.  
Find the number of boys ?

Solution Number of boys =  $\dots - \dots = \dots$  boys

7 My father bought some pens for L.E 19 ,  
he pay L.E 7. What is the remainder price ?

Discover  
book

Solution The remainder =  $\dots - \dots = \dots$  pounds

8 By asking the pupils about the favourite day in the week :  
Saturday 3 pupils , Sunday 7 pupils , Monday 5 pupils ,  
Tuesday 6 pupils .

a Complete by colouring the bars

b The favourite day is .....

c

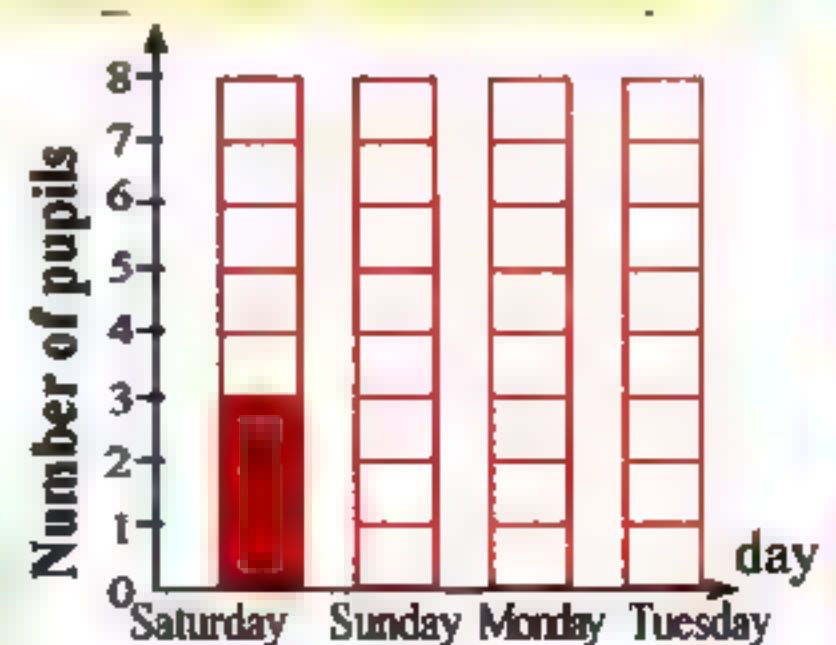
Number of pupils

who prefer Saturday

....

Number of pupils

who prefer Tuesday



Bakkar Series

57



## Lesson




( 17 , 18 )

Solving problems  
on the missing number

## Exercise

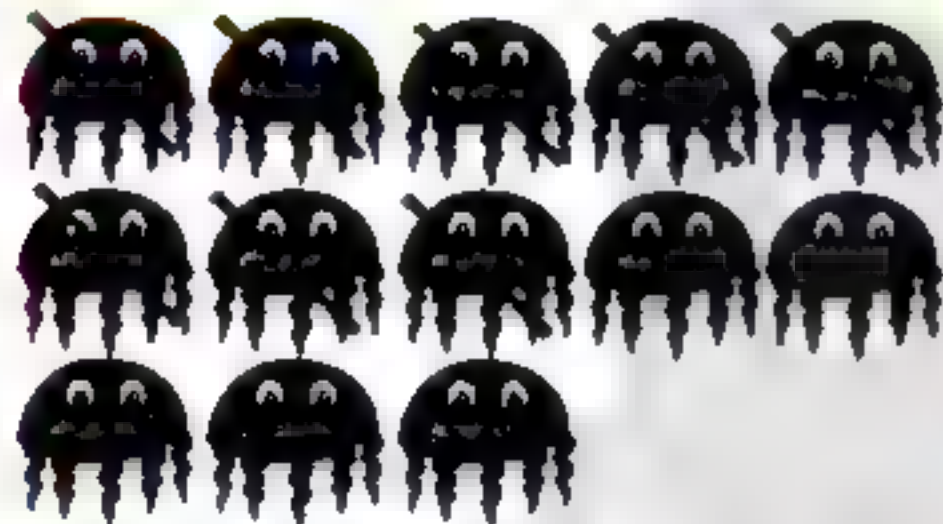
1

Find the missing number as in a , b :

- a Medhat has ( 8 )  , he get some  , now he has ( 13 ).  
What is the number of  with him?



solution

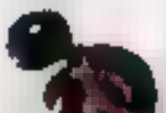




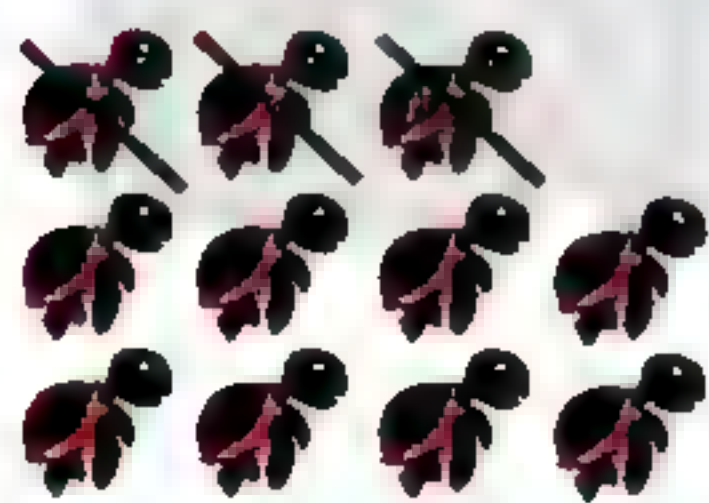
Notice : **Number + Number = Result**  
If the missing number isn't the result  
so it's subtract problem

$$8 + \dots = 13$$

$$8 + 5 = 13$$

Number of  = 5

- b Mokhtar put ( 3 )  in a box , he found the number of   
become ( 11 ). How many  was in the box ?



solution

$$3 + \dots = 11$$

$$3 + 8 = 11$$

Number  = 8

c  $4 + \dots = 12$

d  $7 + \dots = 14$

e  $8 + \dots = 15$

f  $5 + \dots = 11$

g  $9 + \dots = 13$

h  $6 + \dots = 15$



## Chapter 2

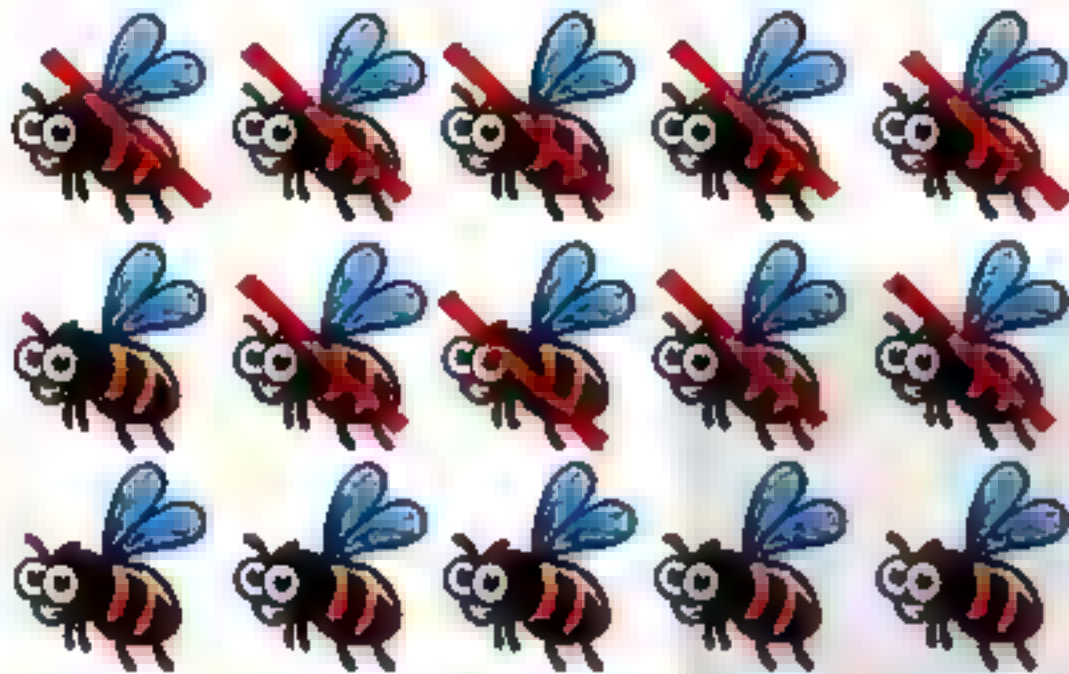
## Exercise

2

Find the missing number as in a, b :

- (a) Nadeen has ( 15 )  , ( 9 )  of them fly away .

How many  remained ?



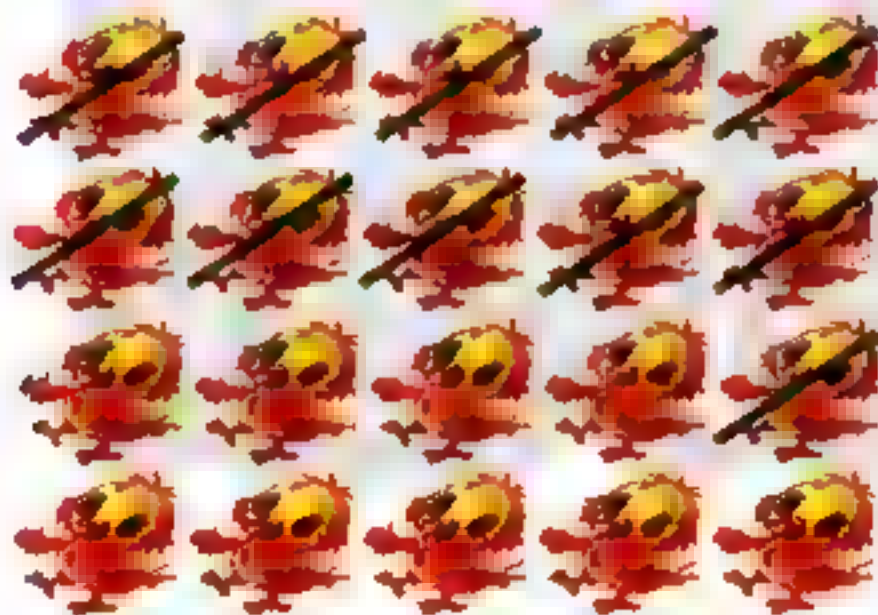
 Solution


$$15 - \dots = 9$$

$$15 - 6 = 9$$

$$\text{Number of } \img alt="bee" data-bbox="725 374 785 404"/> = 6$$

- (b) A box contains ( 20 )  ( 11 )  of them go out .  
How many  remained ?



 Solution

$$20 - \dots = 11$$

$$20 - 9 = 11$$

$$\text{Number of } \img alt="frog" data-bbox="745 621 795 650"/> = 9$$

(c)  $6 - \dots = 0$

(e)  $8 - \dots = 5$

(g)  $9 - \dots = 4$

(i)  $12 - \dots = 8$

(d)  $7 - \dots = 1$

(f)  $12 - \dots = 9$

(h)  $14 - \dots = 8$

(j)  $14 - \dots = 7$

Bakkar Series

59



## Self - check on lesson (17, 18)

1 Find the missing number :

Notice : **Number + Number = Result**  
If the missing number isn't the result  
so it's subtract problem

a  $4 + \dots = 7$

b  $7 + \dots = 9$

c  $9 + \dots = 12$

d  $11 + \dots = 14$

e  $7 + \dots = 15$

f  $6 + \dots = 11$

g  $8 + \dots = 13$

h  $9 + \dots = 15$

i  $5 + \dots = 14$

j  $6 + \dots = 12$

2 Find the missing number :

a  $9 - \dots = 4$

b  $7 - \dots = 2$

c  $4 - \dots = 4$

d  $11 - \dots = 8$

e  $15 - \dots = 12$

f  $13 - \dots = 7$

g  $10 - \dots = 6$

h  $6 - \dots = 1$

i  $17 - \dots = 9$

j  $12 - \dots = 5$



## Chapter 2

3 Find the missing number :

a  $5 + \dots = 10$

b  $6 + \dots = 12$

c  $9 + \dots = 18$

d  $10 + \dots = 20$

e  $8 + \dots = 16$

f  $7 + \dots = 14$

4 Answer the following :

- a My Dad bought ( 12 ) pens , then he gave ( 7 ) pens of them to my sister . How many pens remained ?

**Solution** Number of pens =  $7 + \dots = 12$  pens  
The remained = ..... pens

- b I have ( 15 ) books , I put ( 9 ) books in a bag . How many book remained ?

**Solution** Number of books =  $9 + \dots = 15$  books  
The remained = ..... books

Discover  
book

- c I'm ( Noor's mother ) , I met a tourist group of 17 tourists , 10 of them go their rooms and the rest went out for walking . How many tourists go out ?

**Solution** Number of tourists =  $17 - \dots = 10$  tourists  
The rest number = ..... tourists

Bakkar Series

61



## Lesson

( 19 , 20 )

## Activity to Add or Subtract

## Exercise

1

Find the missing number as Ex :

Fingers strategy

Ex

$6 + \dots = 12$



Solution

$6 + 6 = 12$

Number = 6 Fingers

a)  $10 + \dots = 16$



..... Fingers

b)  $11 + \dots = 19$



..... Fingers

c)  $8 + \dots = 12$



..... Fingers

d)  $14 + \dots = 17$



..... Fingers

## Exercise

2

Find the missing number as Ex :

Ex

$13 - \dots = 6$



Solution

$13 - 7 = 6$

Number = 7

a)  $11 - \dots = 7$



..... Fingers

b)  $19 - \dots = 11$



..... Fingers

c)  $13 - \dots = 9$



..... Fingers



## Chapter 2

## Exercise

3

Enjoy with game 101 or more (adding using 120 frame) :

Tools : dice, 120 chart, (red the green pencils)

Players : Father ( with red pencils ), Son ( with green pencils )

The steps :

- (1) The father throws the dice, for example, obtaining (4)  
Colour on the chart with red
- (2) The son throws the dice, for example, he gets (3) so it will be  $(4 + 3 = 7)$  colour with green the number 7
- (3) The father throws the dice, for example, he gets (6), so it will be  $(7 + 6 = 13)$ . colour with red the number 13
- (4) The son throws the dice, for example, he gets (2) so it will be  $(13 + 2 = 15)$ . colour with green the number 15  
and so on the game continues, who first reaches the number 101 or more becomes the winner

Maths Journal

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Bakkar Series

63



## Self - check on lesson (19, 20)

1 Find the missing number :

Ex  $9 + \dots = 13$



$9 + 4 = 13$

Solution 4 Fingers

a  $7 + \dots = 14$

b  $12 + \dots = 17$

c  $3 + \dots = 10$

d  $6 + \dots = 16$

2 Find the missing number :

Ex  $13 - \dots = 9$



$13 - 4 = 9$

Solution 4 Fingers

a  $9 - \dots = 5$

b  $11 - \dots = 8$

c  $18 - \dots = 9$

d  $5 - \dots = 1$

3 Use the Chart to find the following :

a  $21 + 10 = \dots$

b  $32 + 20 = \dots$

c  $66 + 31 = \dots$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Primary 2 - Term 1



## Chapter 2

4 Use the chart to find the following :

a  $50 - 10 = \dots\dots$

b  $72 - 20 = \dots\dots$


c  $68 - 34 = \dots\dots$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

5 Answer the following :


a I had ( 8 ) cookies , I ate all of it .

How many cookies did I have left ?

 Solution


The rest =  $\dots\dots - \dots\dots = \dots\dots$  Piece

b The number of students in the morning line was (19) students ( 7 ) of them left . How many students are still in the line ?

 Solution

The number of rest =  $\dots\dots - \dots\dots = \dots\dots$  student

c My sister likes to draw. She drew ( 9 ) pictures, then she drew ( 7 ) other pictures . How many pictures did my sister drew ?

 Solution

Number of picture =  $\dots\dots + \dots\dots = \dots\dots$  pictures

**Bakkar Series**

65



## Self - check 1 Chapter 2

1 Use double to find the following :

(a)  $3 + 4 = \dots + \dots + 1 = \dots + 1 = \dots$

(b)  $6 + 7 = \dots + \dots + 1 = \dots + 1 = \dots$

لا تفسد الأسماك في  
قنوات ذاكرولي  
على لطيف الأبحر

2 (3) fish put in Aquarium so the number become (11) fish.  
How many fish were in the aquarium ?

 Solution Number of fish =  $\dots - \dots = \dots$  Fish

3 Fill in the missing number :

(a)  $5 - \dots = 2$

(b)  $9 + \dots = 14$

(c)  $7 + \dots = 14$

(d)  $14 - \dots = 4$

4 Use the chart to find the following :

(a)  $5 + 7 = \dots$

(b)  $11 + 8 = \dots$

(c)  $30 + 12 = \dots$

(d)  $40 - 20 = \dots$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Primary 2 - Term 1




## Self - check 2 Chapter 1,2

1 Use the strategies to find :

a  $6 + 7 = 6 + \dots + \dots = 10 + \dots = \dots$

b  $8 + 5 = 8 + \dots + \dots = \dots + \dots = \dots$

2 Salah Picking (13) rose and then picking (6) other roses.  
What is the number that Salah picking from the roses ?

 Solution Number of roses =  $\dots + \dots = \dots$  a rose

3 Find the missing number :

a  $7 + \dots = 12$

b  $8 - \dots = 4$

c  $16 - \dots = 8$

d  $5 + \dots = 11$

4 Use the chart to find the following :

a  $9 + 8 = \dots$

b  $15 + 6 = \dots$

c  $20 + 11 = \dots$

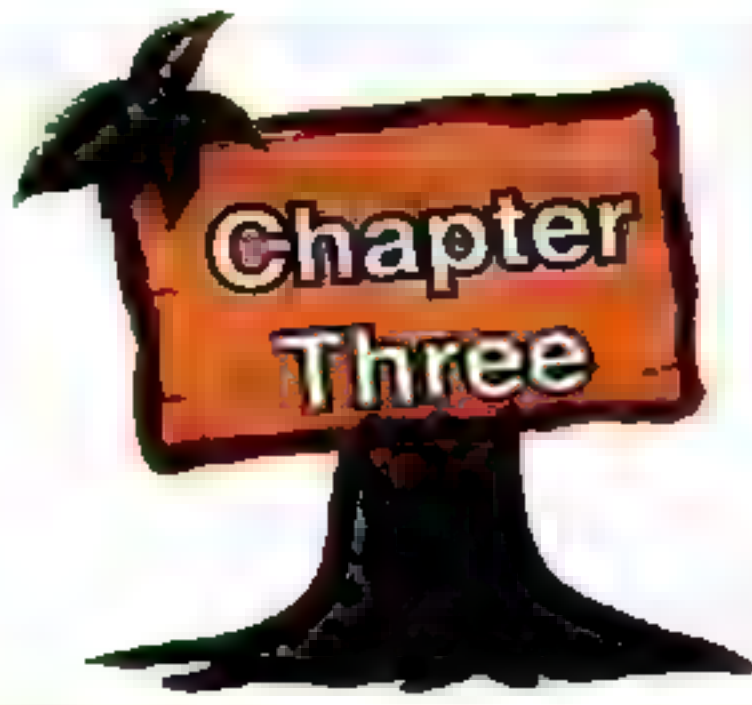
d  $60 - 20 = \dots$

111	112	113	114	115	116	117	118	119	120
101	102	103	104	105	106	107	108	109	110
91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

Bakkar Series

67





لا تنس الاشارة في  
قلوبك ذاكرولي  
على لطيف التبرعات



## Numbers up to 999

### Key Vocabulary

Arrange	رتب
Ascending	تصاعدي
Compare	قارن
Descending	تنازلي
Dice	حجر نرد
Digit	رقم
Driver	سائق
Earn	كسب
Equal	يساوي
Farmer	فلاح
First	اول
Greater Than	اكبر من
Greatest	الأكبر
Hundred	١٠٠

Least	أقل
Less Than	أقل من
Ones	أحاد
Order	ترتيب
Pattern	نمط
Place Value	قيمة مكانية
Second	ثاني
Seller	بائع
Standard Form	الصيغة القياسية
Symbol	رمز
Tens	عشرات
Third	ثالث
Value	قيمة
Word Form	الصيغة اللفظية
Expand form	الصورة الممتدة

Bakkar  
Self-Check  
On each  
Chapter

### Content

Bakkar  
Self-Check  
On each  
lesson

Exercise  
inspired by  
Math Journal

Exercise  
inspired by  
Discover Book

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى



## Lesson

( 21 , 22 )

## 3 - digit number - Place value

Activity


1

The digits :


0 , 1 , 2 , 3 , 4 , 5 , 6 , 7 , 8 , 9

Ones
9


The number  
just after 9  
is 10 ( ten )

Ones
9 + 1




Tens	Ones
1	0
	

Activity

2

2 - digits numbers :

10 , 11 , 12 , ..... , ..... , 99

Hundred	Tens	Ones
	9	9
	9	9



The number just after 99  
is 100 ( one hundred )

Hundred	Tens	Ones
	9	9+1
10 Ones = 1 Tens		

Hundred	Tens	Ones
	9+1	0
10 tens = 1 Hundred		


Hundred	Tens	Ones
1	0	0

After

Tens	Ones
9	9
	
99	

is



Hundred	Tens	Ones
1	0	0
		
100		

Bakkar Series

69



BAKKAR

Numbers up to 999

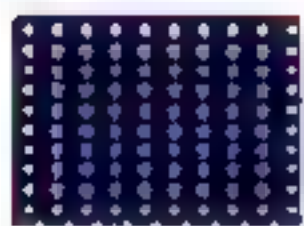
Activity 3 The 3-digit numbers :

Hundred

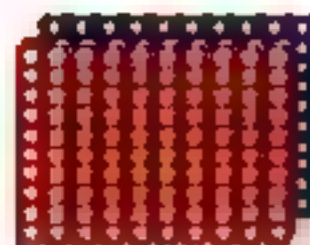
Tens

Ones

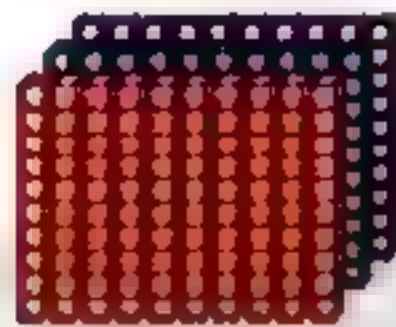
Exercise 1 Notice the number of hundreds :



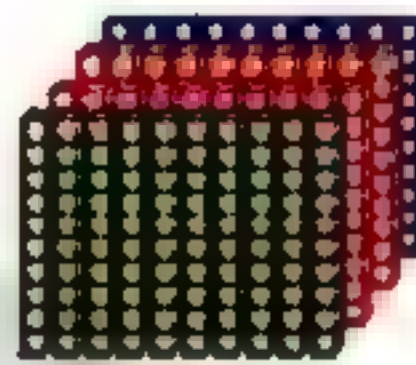
100



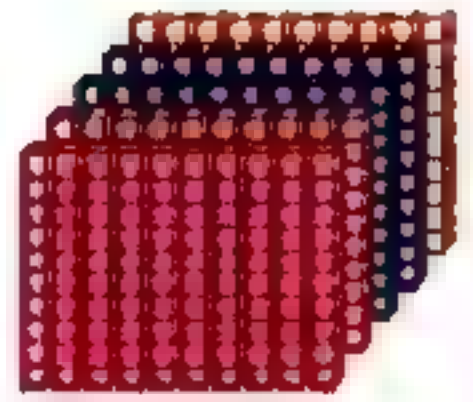
200



300



400



500

Exercise 2 Write the numbers as Ex :

Ex

The number

274

Hundred	Tens	Ones
2	7	4

The number

182

Hundred	Tens	Ones

The number

218

Hundred	Tens	Ones



## Self - check on lesson (21, 22)

- 1 As Rolling a fair dice three time : the first represent the hundred , the second represent Tens , the third represent ones.

Ex

Rolling	First	Second	Third
	4	6	5

Solution

The number  
465

Hundred	Tens	Ones
4	6	5
		

Rolling	First	Second	Third
	1	2	3

The number .....

Hundred	Tens	Ones

Rolling	First	Second	Third
	2	3	6

The number .....

Hundred	Tens	Ones

Rolling	First	Second	Third
	3	6	4

The number .....

Hundred	Tens	Ones

Rolling	First	Second	Third
	1	5	5

The number .....

Hundred	Tens	Ones

Bakkar Series

71



2 Write as Ex :

Ex	The number	Hundred	Tens	Ones
	200	2	0	0

The number	Hundred	Tens	Ones
300			

The number	Hundred	Tens	Ones
400			

The number	Hundred	Tens	Ones
500			

The number	Hundred	Tens	Ones
600			

The number	Hundred	Tens	Ones
700			

The number	Hundred	Tens	Ones
800			

The number	Hundred	Tens	Ones
900			

3 Write as Ex :

Ex	The number	Hundred	Tens	Ones
	821	8	2	1

The number	Hundred	Tens	Ones
385			

The number	Hundred	Tens	Ones
274			

The number	Hundred	Tens	Ones
946			

The number	Hundred	Tens	Ones
935			

The number	Hundred	Tens	Ones
602			

The number	Hundred	Tens	Ones
340			

The number	Hundred	Tens	Ones
777			

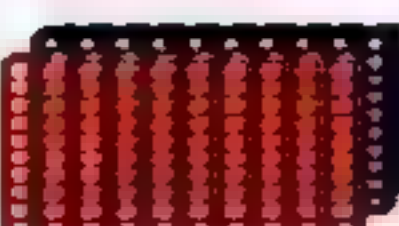




## Chapter 3




4 Write as Ex :

Ex	Hundred	Tens	Ones
			



The number 303

Hundred	Tens	Ones
		

The number .....

Hundred	Tens	Ones
		

The number .....

Hundred	Tens	Ones
		

The number .....

5 Complete as Ex :

تابع جديد ذاكرولي على موقعنا  
<https://www.zakrooly.com>

Ex 5 hundreds = ..... tens = ..... ones

solution 5 hundreds = ....50... tens = ....500... ones

- a 3 hundreds = ..... tens = ..... ones
- b 7 hundreds = ..... tens = ..... ones
- c 2 hundreds = ..... tens = ..... ones
- d 9 hundreds = ..... tens = ..... ones
- e 1 hundreds = ..... tens = ..... ones
- f 8 hundreds = ..... tens = ..... ones

Bakkar Series

73

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى



## Lesson

( 23 , 24 )

Forming : 3 - digit numbers

Activity

1

Complete as Ex | Expand form | :

Ex The number 635    6 hundreds = 600    3 tens = 30    5 ones = 5

a The number 470    .... hundreds = .....    .... tens = .....    .... ones = ....

b The number 555    .... hundreds = .....    .... tens = .....    .... ones = ....

Exercise

1

Complete as Ex :

Ex The number    Hundreds    Tens    Ones    Expand Form  
 153 =    1    5    3 =    100 + 50 + 3

a The number    Hundreds    Tens    Ones  
 89 =    .....    .....    ..... = ..... + ..... + .....

b The number    Hundreds    Tens    Ones  
 307 =    .....    .....    ..... = ..... + ..... + .....

Exercise

2

Complete as Ex :

Ex 537 = 500 + 30 + 7

a 542 = ..... + ..... + .....

b 691 = ..... + ..... + .....

c 389 = ..... + ..... + .....

تابع جديد ذاكرولي على  
 فيس بوك  
 تويتر  
 والس اب  
 تليجرام



## Chapter 3

Activity 2 Notice the word form of numbers : Word Form

The digit	
1	One
2	Two
3	Three
4	Four
5	Five
6	Six
7	Seven
8	Eight
9	Nine
0	Zero

Whole tens	
10	Ten
20	Twenty
30	Thirty
40	Forty
50	Fifty
60	Sixty
70	Seventy
80	Eighty
90	Ninety
100	Hundred

Exercise 3 Write in digit as Ex :

Ex Seven The number : 7

- |   |        |                    |   |        |                    |
|---|--------|--------------------|---|--------|--------------------|
| a | Twenty | The number : ..... | b | Ninety | The number : ..... |
| c | Five   | The number : ..... | d | Eighty | The number : ..... |
| e | Nine   | The number : ..... | f | Sixty  | The number : ..... |

Bakkar Series

75



## Self - check on lesson (23, 24)

1 Complete as Ex :

Ex	The number	Hundreds	Tens	Ones	
	237	2	3	7	$= 200 + 30 + 7$
	The number	Hundreds	Tens	Ones	
a	71	.....	.....	.....	$= \dots + \dots + \dots$
b	801	.....	.....	.....	$= \dots + \dots + \dots$
c	120	.....	.....	.....	$= \dots + \dots + \dots$
d	70	.....	.....	.....	$= \dots + \dots + \dots$
e	23	.....	.....	.....	$= \dots + \dots + \dots$

2 Write the expand form of the following as Ex :

Ex 157 = 100 + 50 + 7

a 264 = ..... + ..... + .....

b 139 = ..... + ..... + .....

c 420 = ..... + ..... + .....

d 702 = ..... + ..... + .....

e 915 = ..... + ..... + .....



## Chapter 3



3 Complete as Ex :

		Hundreds	Tens	Ones
Ex	A school has 623 pupil	6	2	3
a	A garden has 432 flower	.....	.....	.....
b	A party has 307 person	.....	.....	.....
c	A farm has 500 duck	.....	.....	.....

4 Write the number as Ex :

Ex 4 hundreds + 5 tens + 2 ones = .....

Solution 400 + 50 + 2 = 452

a 2 hundreds + 3 tens + 5 ones =  
..... + ..... + ..... = .....

b 3 hundreds + 8 tens =  
..... + ..... = .....

c 7 hundreds + 7 ones =  
..... + ..... = .....

d 8 hundreds + 3 tens =  
..... + ..... = .....

e 5 hundreds + 3 tens + 6 ones =  
..... + ..... + ..... = .....

تابع جديد زاكروولي على  
فيسبوك  
تويتر  
واتس اب  
تيجرام

Bakkar Series

77

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى



5 Complete as Ex :

	Hundreds	Tens	Ones	The number
Ex	2	2	4	$200 + 20 + 4 = 224$
	7	6	0	$\dots + \dots + \dots = \dots$
	3	5	3	$\dots + \dots + \dots = \dots$
	9	0	4	$\dots + \dots + \dots = \dots$

6 Join as Ex :

Ex

The number : <b>30</b>	Sixty
The number : <b>4</b>	Eight
The number : <b>60</b>	Seventy
The number : <b>8</b>	Thirty
The number : <b>70</b>	Four

7 Complete the following :

Standard Form

- a 3 hundreds , 6 tens , 5 ones = .....
- b 2 hundreds , 6 tens , 4 ones = .....
- c 3 hundreds , 5 tens , 2 ones = .....
- d 4 hundreds , 6 ones = .....
- e 4 hundreds , 6 tens = .....



## Lesson

( 25 , 26 )

Writing numbers from 11 up to 19  
in word - Place value

Activity 1 Notice :

Counting number up to 20			
Eleven	11	Sixteen	16
Twelve	12	Seventeen	17
Thirteen	13	Eighteen	18
Fourteen	14	Nineteen	19
Fifteen	15	Twenty	20

Word Form

Exercise 1 Write in digit as Ex :

Ex

Seventeen

The number : 17

Twenty seven

The number : 27

a

Twenty

The number : ....

b

Eleven

The number : ....

c

Thirty five

The number : ....

d

Eighty seven

The number : ....

e

Twelve

The number : ....

f

Fourteen

The number : ....

g

Fifteen

The number : ....

h

Nineteen

The number : ....

i

Fifty six

The number : ....

j

Eighteen

The number : ....

Bakkar Series

79



## Activity 2 Reading :

## Hundreds

<b>Hundred</b>	100	<b>Four hundreds</b>	400	<b>Seven hundreds</b>	700
<b>Two hundreds</b>	200	<b>Five hundreds</b>	500	<b>Eight hundreds</b>	800
<b>Three hundreds</b>	300	<b>Six hundreds</b>	600	<b>Nine hundreds</b>	900
				<b>One thousand</b>	1000

## Activity 3 Reading 3- digit number :

239

- To read 3- digit number
- Start from left to right as  
**Two hundred and thirty nine**

## Exercise 2 Write in digit as Ex :

Standard Form

- Ex** Three hundred and eleven  $\Rightarrow$  The number : **311**
- a** One hundred and ten  $\Rightarrow$  The number : .....
- b** Three hundred and seventy three  $\Rightarrow$  The number : .....
- c** Two hundred and five  $\Rightarrow$  The number : .....
- d** Five hundred and twelve  $\Rightarrow$  The number : .....
- e** Seven hundred and twenty nine  $\Rightarrow$  The number : .....
- f** Four hundred and twenty one  $\Rightarrow$  The number : .....
- g** Eight hundreds  $\Rightarrow$  The number : .....



## Self - check on lesson (25, 26)

1 Join as Ex :

Ex The number : 50

Twenty three

The number : 19

Six

The number : 17

Nineteen

The number : 23

Fifty

The number : 6

Seventeen

2 Write in digits as Ex :

a Five hundred and eleven = 511

b Forty two = .....

c Eight hundred fifty nine = .....

d Seven hundred and seventeen = .....

e One hundred and nine = .....

f Nine hundred and four = .....

g Two hundreds and seventy = .....

h Four hundreds and forty four = .....

Bakkar Series

81



## BAKKAR

## Numbers up to 999

3 Write in letters as **Ex** :

The number

**Ex**

**19**

is : **Nineteen**

**a** **8** is : ..... , **80** is : .....

**b** **5** is : ..... , **15** is : .....

**c** **16** is : ..... , **6** is : .....

**d** **70** is : ..... , **17** is : .....

4 Complete the following :

**a** The number : **4** hundreds , **5** tens , **3** ones = .....

**b** **758** = ..... + **50** + .....

**c** **5** hundred and twelve in digits is .....

**d** The number just after **259** is .....

**e** **666** = **600** + ..... + .....

**f** **3** tens + **7** ones = ..... + ..... = .....

**g** **1** Ten + ..... ones = ..... + ..... = **13**

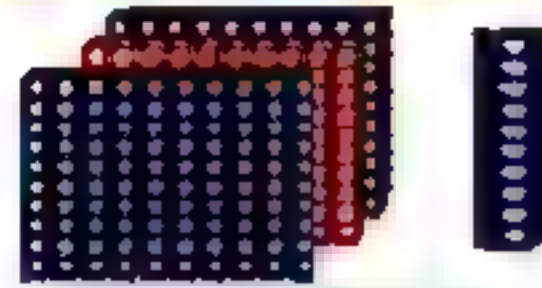
**h** **5** ones + ..... Tens = ..... + **70** = .....

**i** **700** ones = ..... Tens = ..... hundreds

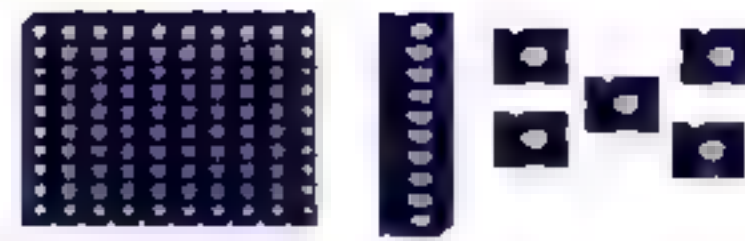


## General Self - check

1 Write in digits :



Hundred	Tens	Ones



Hundred	Tens	Ones

2 Complete :

a The number **29** = 

Hundreds	Tens	Ones
.....	.....	.....

 = ..... + ..... + .....

b The number **675** = 

Hundreds	Tens	Ones
.....	.....	.....

 = ..... + ..... + .....

3 Complete the following :

a Three hundred and fourteen in **digits** is .....b The number just before **684** is .....

c 9 hundreds = ..... tens = ..... Ones

d  $609 = \dots\dots\dots + \dots\dots\dots + 9$ e  $8 \text{ tens} + 6 \text{ hundreds} + 6 \text{ ones} = \dots\dots\dots$ f  $375 = 300 + \dots\dots\dots + \dots\dots\dots$ 

Bakkar Series

83



4 Using the chart to find :

a  $4 + 9 = \dots\dots$

b  $39 - 10 = \dots\dots$

31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

5 Write the missing number :

a  $4 + \dots\dots = 12$

b  $9 - \dots\dots = 3$

c  $14 - \dots\dots = 7$

d  $6 + \dots\dots = 12$

6 Ashraf has 4 sweets and bought another 4 sweets .  
What is the number of pieces ?

**Solution** Number of pieces =  $\dots\dots + \dots\dots = \dots\dots$

7 From the graph complete :

a Number of farmers =  $\dots\dots$

b Number of drivers =  $\dots\dots$

c Number of secretaries =  $\dots\dots$

d Number of sellers and  
Drivers =  $\dots\dots$





## Lesson

( 27 , 28 )

Comparing using ( &lt; , &gt; or = )

## Activity 1 Comparing 3 - digit number :

( 1 )

Compare the  
hundreds place

Ex

$$\begin{array}{ccc} \textcircled{2}14 & \textcircled{5}31 & \textcircled{6}31 \quad \textcircled{6}14 \quad \textcircled{8}74 \quad \textcircled{8}71 \\ 214 < 531 & 631 > 614 & 874 > 871 \end{array}$$

( 2 )

Compare the tens  
place

Ex

( 3 )

Compare the ones  
place

Ex

## Exercise 1 Put ( &lt; , &gt; or = ) :

a 308 ..... 375

b 124 ..... 123

c 709 ..... 790

d 312 ..... 312

e 628 ..... 528

f 748 ..... 741

g 311 ..... 310

h 660 ..... 606

Bakkar Series

85



BAKKAR

Numbers up to 999

Activity 2 Comparing 3-digit number and a 2-digit number :

The number 97

Hundred	Tens	Ones
0	9	7

Hundreds 0 = 0	Tens 9 = 90	Ones 7 = 7
-------------------	----------------	---------------

The number 351


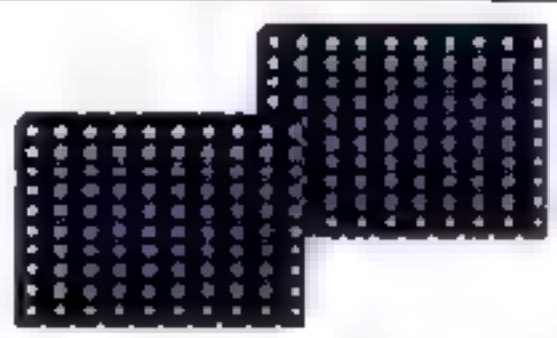


Hundred	Tens	Ones
3	5	1

Hundreds 3 = 300	Tens 5 = 50	Ones 1 = 1
---------------------	----------------	---------------

Then 97 &lt; 351

Any 3-digit number is more than any 2-digit number

Exercise 2 Put (&lt;, &gt; or =) :

6 + 10 + 400	.....	4 hundreds , 1 ten , 6 ones
6 hundreds , 5 ten , 3 ones	.....	635
	.....	
	.....	



## Self - check on lesson (27, 28)

1 Complete using ( $<$ ,  $>$  or  $=$ ) :

- |   |          |       |           |   |           |       |          |
|---|----------|-------|-----------|---|-----------|-------|----------|
| a | Nine     | ..... | Seven     | b | Eight     | ..... | Seven    |
| c | Six      | ..... | Eight     | d | Five      | ..... | Nine     |
| e | Four     | ..... | Three     | f | Zero      | ..... | Two      |
| g | Ten      | ..... | Eleven    | h | Nine      | ..... | Thirteen |
| i | Fifteen  | ..... | Sixteen   | j | Seventeen | ..... | Seven    |
| k | Eighteen | ..... | Seventeen | l | Twelve    | ..... | Fourteen |
| m | Sixteen  | ..... | Sixty     | n | Nineteen  | ..... | Eighteen |

2 Complete using ( $<$ ,  $>$ ,  $=$ ) :

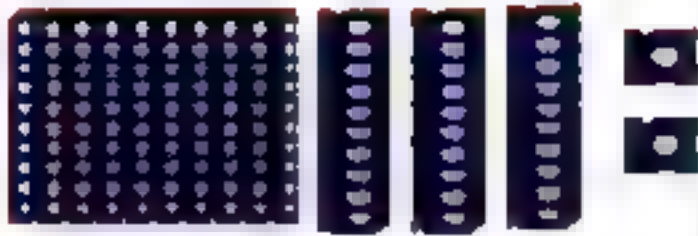
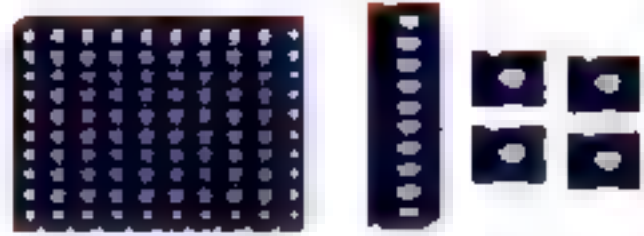
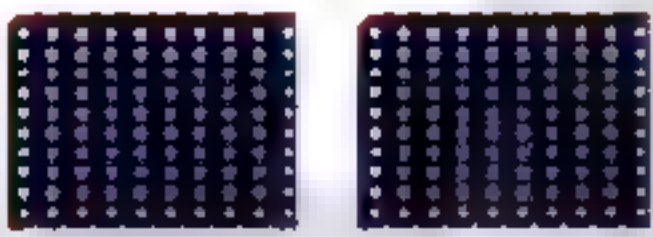
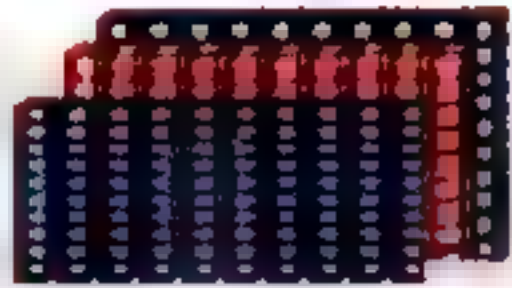
- |   |     |       |     |   |     |       |     |
|---|-----|-------|-----|---|-----|-------|-----|
| a | 81  | ..... | 55  | b | 205 | ..... | 45  |
| c | 63  | ..... | 102 | d | 150 | ..... | 99  |
| e | 79  | ..... | 215 | f | 491 | ..... | 498 |
| g | 711 | ..... | 611 | h | 108 | ..... | 108 |
| i | 550 | ..... | 505 | j | 123 | ..... | 46  |

Bakkar Series

87



3 Put ( $<$ ,  $>$  or  $=$ ) :

5 tens , 7 ones	.....	507
	.....	
754 ducks	.....	$800 + 50 + 4$ From ducks
	.....	
170	.....	One hundred and seventy

4 Put ( $<$ ,  $>$  or  $=$ ) :

- |                       |       |                 |
|-----------------------|-------|-----------------|
| a $100 + 30 + 8$      | ..... | $100 + 80 + 3$  |
| b $2 + 50$            | ..... | $100 + 50 + 1$  |
| c 7 tens , 3 ones     | ..... | 5 tens , 4 ones |
| d 3 hundreds , 8 tens | ..... | 380             |
| e One tens            | ..... | $5 + 10$        |
| f Six hundreds        | ..... | seven hundreds  |



## Lesson

( 29 , 30 )

## The ascending &amp; The descending order of a set of numbers

## Activity 1 The ascending order :

Arrange from the smallest to the biggest .

5 , 17 , 8 , 9 , 3

Write the smallest number in the first space then cancel it

3

.....

.....

.....

.....

Then write the smallest number of the remaining and cancel it

3

5

.....

.....

.....

Make this steps to get the order as the following

The ascending order :

3

5

8

9

17

## Exercise 1 Arrange the following numbers from the small to the big :

a

17

23

4

156

11

The ascending order :

.....

.....

.....

.....

.....

b

150

90

40

100

80

The ascending order :

.....

.....

.....

.....

.....

c

202

22

303

11

101

The ascending order :

.....

.....

.....

.....

.....

Bakkar Series

89



BAKKAR

Numbers up to 999

Activity

2

The descending order :

Arrange from the biggest to the smallest

4 , 29 , 13 , 56 , 33

Write the biggest number then cancel it

56

.....

.....

.....

.....

Then write the biggest number of the remaning and cancel it

56

33

.....

.....

.....

Make this steps to get the order as the following

The descending order :

56

33

29

13

4

Exercise

2

Arrange the following numbers from the greatest to the smallest :

a

34

241

38

4

28

The descending order :

.....

.....

.....

.....

.....

b

110

230

90

170

10

The descending order :

.....

.....

.....

.....

.....

c

94

904

940

409

490

The descending order :

.....

.....

.....

.....

.....

d

7

28

15

205

91

The descending order :

.....

.....

.....

.....

.....

90

Primary 2 - Term 1



## Self - check on lesson (29, 30)

1 Write in digits :

- (a) The number just before 35 is .....
- (b) The number just after 120 is .....
- (c) The number that lies between 17 and 19 is .....

2 Complete as Ex :

Ex ..... , 20 , 30 , .....

 Solution 10 , 20 , 30 , 40

- |                               |                               |
|-------------------------------|-------------------------------|
| (a) ..... , 5 , 7 , .....     | (b) 4 , ..... , ..... , 7     |
| (c) ..... , 30 , 40 , .....   | (d) 50 , ..... , ..... , 80   |
| (e) ..... , 400 , 500 , ..... | (f) 100 , ..... , ..... , 400 |
| (g) ..... , 36 , 37 , .....   | (h) 521 , ..... , ..... , 524 |

3 Complete in the same pattern :

- (a) 4 , 5 , 6 , ..... , .....
- (b) 5 , 10 , 15 , ..... , .....
- (c) 10 , 20 , 30 , ..... , .....
- (d) 200 , 300 , 400 , ..... , .....
- (e) 2 , 4 , 6 , ..... , .....

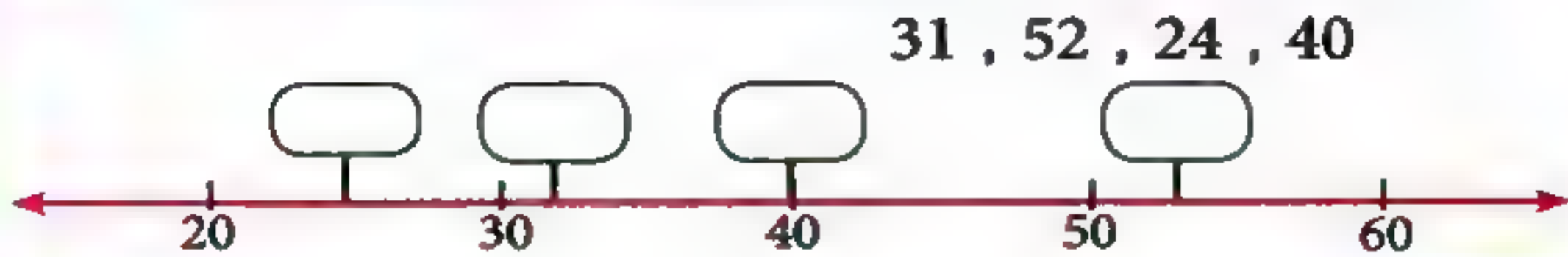
لا تفسد الاشراك في  
قنوات ذاكرولي  
على تطبيق الانجرام

Bakkar Series

91



- 4 Write the numbers in the suitable place on the number line then complete the ascending order :



The ascending order : .....

Discover  
Book

- 5 My uncle earns 68 pounds a day , My aunt earns 35 pounds , my father earns 52 pounds and my mother earns 42 pounds . Arrange the income grades they receive from the highest income to the least income .

Arrange : .....

- 6 Arrange the following numbers :

a 66 , 53 , 78 , 12 , 49

Ascendingly : .....

Descendingly : .....

b 170 , 94 , 50 , 200 , 31

Ascendingly : .....

Descendingly : .....

c 706 , 460 , 670 , 607 , 700

Ascendingly : .....

Descendingly : .....

d 67 , 567 , 967 , 467 , 167

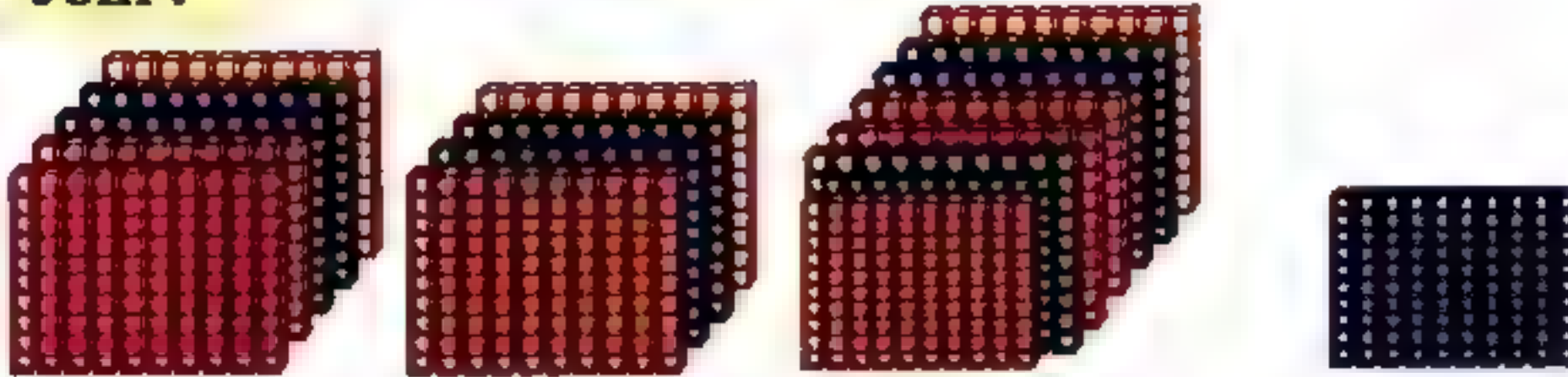
Ascendingly : .....

Descendingly : .....



## Self - check 1 Chapter 3

1 Join :



800

500

400

100

2 Write the number :

Hundred	Tens	Ones
5	0	7

The number .....

Hundred	Tens	Ones
6	3	9

The number .....

3 Put ( $<$ ,  $>$ ,  $=$ ) :

a 804 ..... 408

b 506 ..... 723

4 Complete :

a  $723 = \dots + \dots + 3$ b  $195 = \dots + 90 + \dots$ 

c The number just before 35 is .....

5 Arrange in ascending order :

102 , 21 , 210 , 12 , 120

The order : .....

Bakkar Series

93



## Self - check 2 Chapter 3

1 Put ( $<$ ,  $>$ ,  $=$ ) :

2 Join :

70

18

300

10

Three hundred

Ten

Seventy

Eighteen

3 Complete :

تابعنا على صفحة د. زكروولى  
www.facebook.com/ZakroolySite

a 9 Tens = .....

b The number just after 246 is .....

c 7 tens , 5 ones = ..... + ..... = .....

4 Find the missing numbers :

a  $4 + \dots = 12$ b  $9 - \dots = 3$ 

5 Arrange the following descendingly :

512 , 99 , 147 , 11 , 757

The descending order : .....



## Self - check 3 Chapters 1,2,3

1 Find the result :

$$\begin{array}{r} 9 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$$

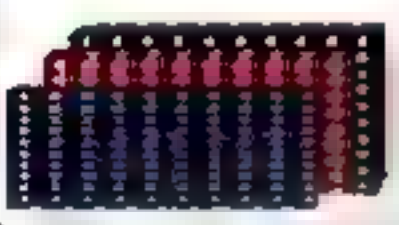

$$\begin{array}{r} 9 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 6 \\ \hline \end{array}$$



2 Write the number in digits:

a

Hundreds	Tens	Ones
		

The number .....

b

Hundreds	Tens	Ones
		

The number .....

3 Using the chart to find :

a  $11 + 5 = \dots\dots$

b  $3 + 10 = \dots\dots$

c  $39 - 10 = \dots\dots$

31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

4 Complete in the same pattern :

a 10 , 20 , 30 , ..... , .....

b 2 , 4 , 6 , ..... , .....

c ..... , 5 , 7 , 9 , .....

Bakkar Series

95



## BAKKAR

## Numbers up to 999

5 Complete :

- (a)  $14 + 5 = \dots\dots\dots$
- (b) The number just before 140 is  $\dots\dots\dots$
- (c) Thirteen =  $\dots\dots\dots$  ( in digits )
- (d) 3 hundreds =  $\dots\dots\dots$  tens =  $\dots\dots\dots$  ones
- (e) 750 ..... 570

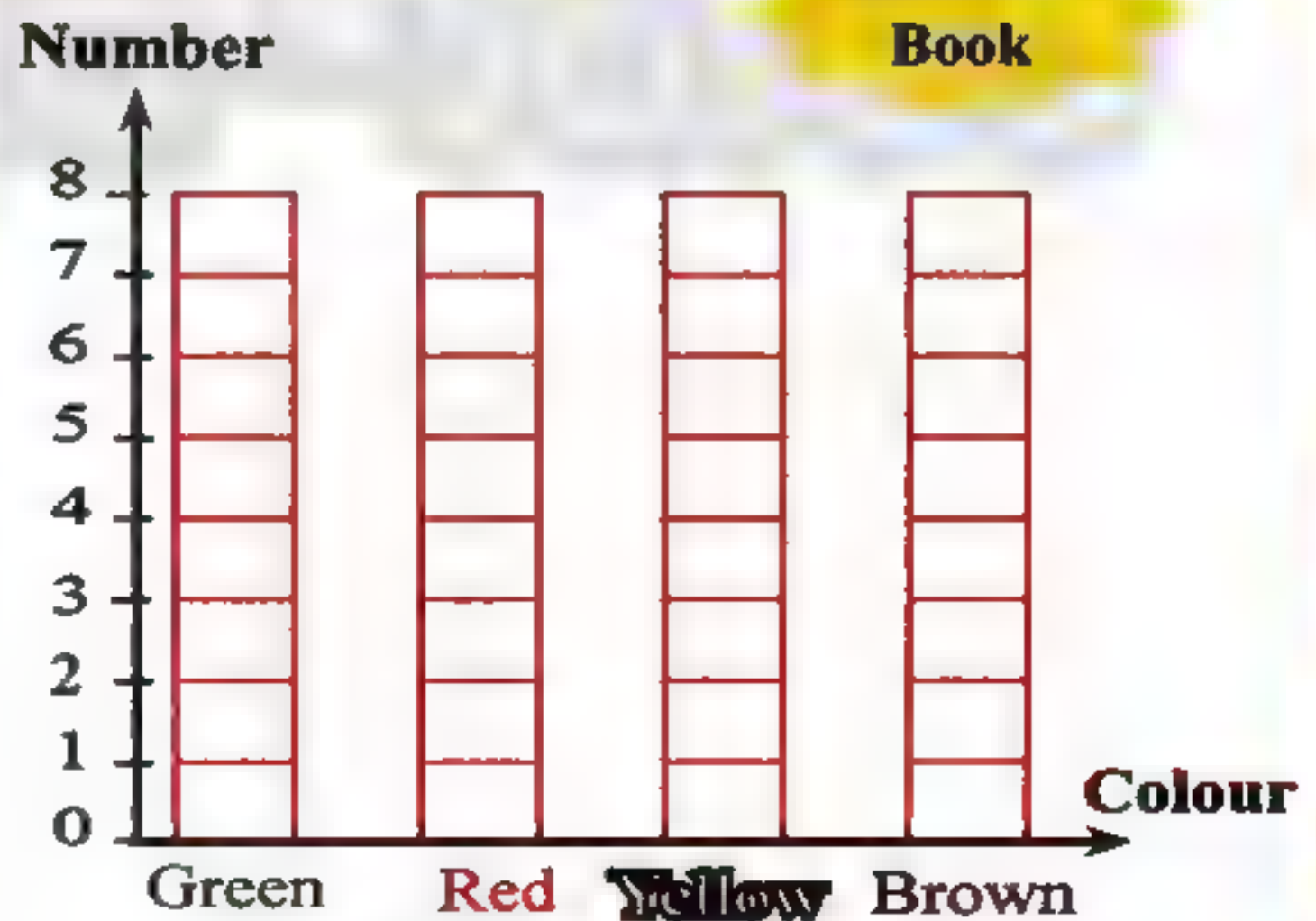
6 Answer the following :

Akram has 16 🍎 , he ate 6 🍎 .  
How many 🍎 remained ?

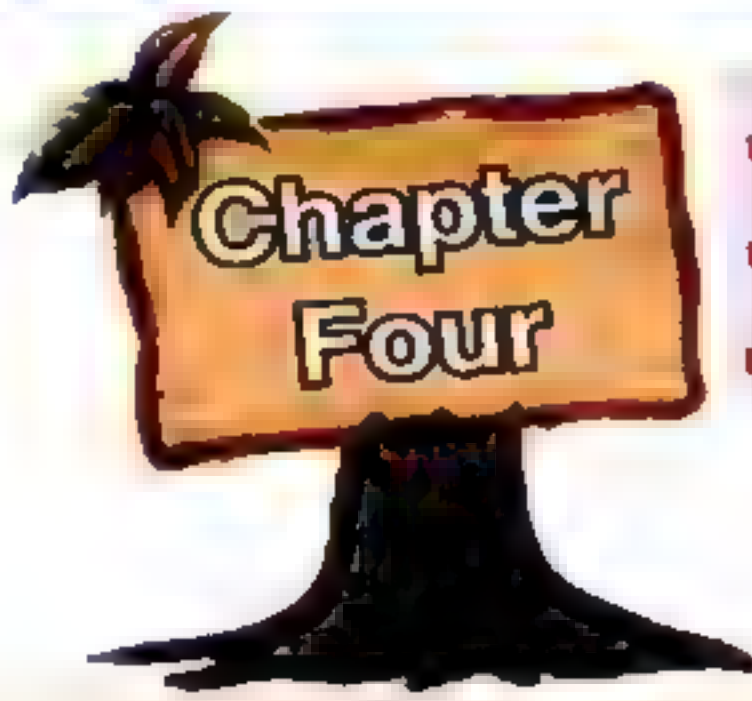
Number of 🍎 =  $\dots\dots\dots - \dots\dots\dots = \dots\dots\dots$  🍎

7 From the table complete the graph :

Colour	Number
Green	6
Red	5
Yellow	4
Brown	3

Discover  
Book





لا تنس الاشتراك في  
قنوات ذاكرولي  
على تطبيق التليجرام



## Number operation

### Key Vocabulary

Addend	الأعداد المضافة
Adding	الجمع
Addition Strategies	استراتيجيه الجمع
Appeared	ظهر
Breakfast	الإفطار
Building	مبنى
Compare	يقارن
Decomposing	التحليل
Dice	حجر نرد
Difference	الفرق
Donate	تبرع
Estimate	يقدر
Estimate	يقدر
Estimation	التقدير
Grandfather	الجد

Less Than	أقل من
Library	مكتبة
Lunch	الغداء
Numerical card	بطاقة عددية
Ones	الأحاد
Piece	قطعة
Place Value	قيمة مكانية
Plants	نبات
Pull	سحب
Regroup	إعادة تسمية
Rename	إعادة تسمية
Restaurant	مطعم
Strategy	الاستراتيجية
Subtract	اطرح
Sum	المجموع
Tens	العشرات

Bakkar  
Self-Check  
On each  
Chapter

### Content

Bakkar  
Self-Check  
On each  
Lesson

Exercise  
inspired by  
Math Journal

Exercise  
inspired by  
Discover Book



## Lesson

(31, 32)

## Counting on / Counting back

## Activity 1 Notice :



$4 + 5 = 9$



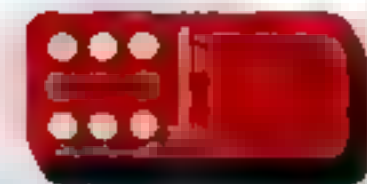
$5 + 4 = 9$

We Notice that

$4 + 5 = 5 + 4 = 9$



$0 + 6 = 6$



$6 + 0 = 6$

We Notice that

$0 + 6 = 6 + 0 = 6$

## Activity 2 Using the chart to find (Use count on strategy):

$12 + 7 = \dots\dots$

21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

We start at 12 and count on 7 we get 19.

$7 + 12 = \dots\dots$

21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

We start at 7 and count on 12 we get 19.

We deduced that  $12 + 7 = 7 + 12 = 19$ 

Notice

We can add two number by any order and we get the same sum but in subtraction can't :

EX:  $12 - 7 = 5$  but  $7 - 12$  not possible

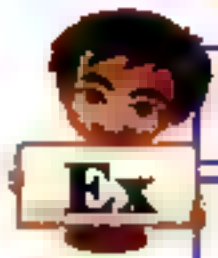


## Chapter 4

## Exercise 1

1

Find the result as Ex :


 تابعنا على صفحتنا على الفيسبوك  
[www.facebook.com/ZakroolySite](http://www.facebook.com/ZakroolySite)


$7 + 2 = 9$

$2 + 7 = 9$

$5 + 8 = \dots\dots\dots$

$8 + 5 = \dots\dots\dots$

$0 + 4 = \dots\dots\dots$

$4 + 0 = \dots\dots\dots$

$5 + 14 = \dots\dots\dots$

$14 + 5 = \dots\dots\dots$

$7 + 2 = 2 + 7 = 9$

$5 + 8 = 8 + 5 = \dots\dots\dots$

$0 + 4 = 4 + 0 = \dots\dots\dots$

$5 + 14 = 14 + 5 = \dots\dots\dots$

## Exercise 2

2

Join as Ex :



$8 + 11 = \dots\dots\dots$

$10 + 1 = \dots\dots\dots$

$4 + 14 = \dots\dots\dots$

$5 + 15 = \dots\dots\dots$

$6 + 12 = \dots\dots\dots$

$14 + 4 = \dots\dots\dots$

$12 + 6 = \dots\dots\dots$

$11 + 8 = \dots\dots\dots$

$1 + 10 = \dots\dots\dots$

$15 + 5 = \dots\dots\dots$

Bakkar Series

99



هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى



Activity 3 When rolling two dice and pull a numerical card :

a



4

The student add the numbers which appeared by roll the two dice with the number on the numerical card  
( Use count on strategies )



Solution

$$25 + 4 = 29$$

b



6



Solution

$$\dots + 6 = \dots$$

c



7



Solution

$$\dots + \dots = \dots$$

Exercise

1

Answer the following :

a

There are 35 birds on the tree and 5 birds have joined to them . Find the total number of birds on the tree?



Solution

$$35 + 5 = \dots$$

b

There are 64 books in my library , my father gave me another 3 books ,How many books are there in my library now?



Solution

$$64 + 3 = \dots$$



## Self - check on lesson ( 31, 32 )

1 Find the result :

$$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 3 \\ \hline \end{array}$$

2 Complete :

$$3 + 5 = 5 + \dots$$

$$9 + \dots = 4 + 9$$

$$0 + 6 = \dots + 0$$

$$7 + 9 = 9 + \dots$$

$$5 + \dots = 14 + 5$$

$$\dots + 6 = 6 + 8$$

$$10 + 9 = 9 + \dots$$

$$1 + 17 = \dots + 1$$

Bakkar Series

101



## BAKKAR

## Operations on 3 digit

3 Complete as EX :

**Ex**

$\begin{array}{r} 6 \\ + \dots \\ \hline 9 \end{array}$	$\begin{array}{r} \dots \\ + 6 \\ \hline \dots \end{array}$	Solution	$\begin{array}{r} 6 \\ + 3 \\ \hline 9 \end{array}$	$\begin{array}{r} 3 \\ + 6 \\ \hline 9 \end{array}$
$\begin{array}{r} 5 \\ + \dots \\ \hline 7 \end{array}$	$\begin{array}{r} \dots \\ + 5 \\ \hline \dots \end{array}$		$\begin{array}{r} 8 \\ + \dots \\ \hline 14 \end{array}$	$\begin{array}{r} \dots \\ + 8 \\ \hline \dots \end{array}$

4 Complete as in a :

a Add :  $13 + 6$

We start at 13 and count on 6 we get 19 , then  $13 + 6 = 19$

b Add :  $35 + 8$

We start at 35 and count on 8 we get 43 , then  $\dots + \dots = \dots$

c Add :  $43 + 5$

We start at 43 and count on 5 we get 48 , then  $\dots + \dots = \dots$

5 My father built 7 building then built another 15 building .  
How many building did he built ?



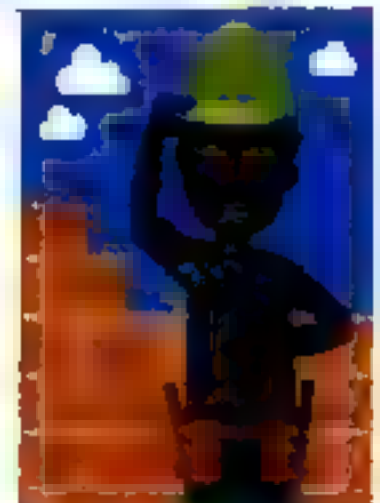
Solution

Add :  $15 + 7$

We start at  $\dots$  and count on  $\dots$  ,

The number of building =  $\dots + \dots = \dots$

Discover  
Book





## Lesson

( 33 , 34 )

Decomposing number into ones and tens  
( Addition )

Activity 1 Notice the value of each number :

oo

4

|||||

80

|||||

56

|||||

39

Exercise 1 Notice and complete :

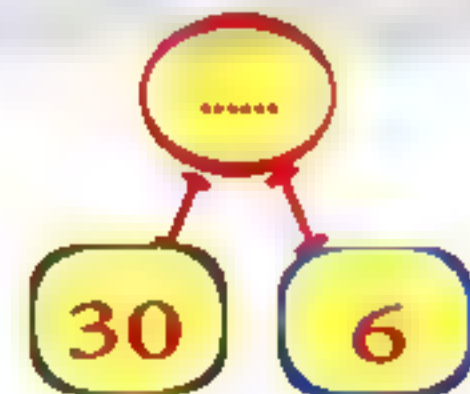
Tens	Ones
	aaa
53	



Tens	Ones
	a
21	



Tens	Ones
	aaaa
36	



Tens	Ones
	aa
14	



Bakkar Series

103



## BAKKAR

## Operations on 3 digit

## Exercise

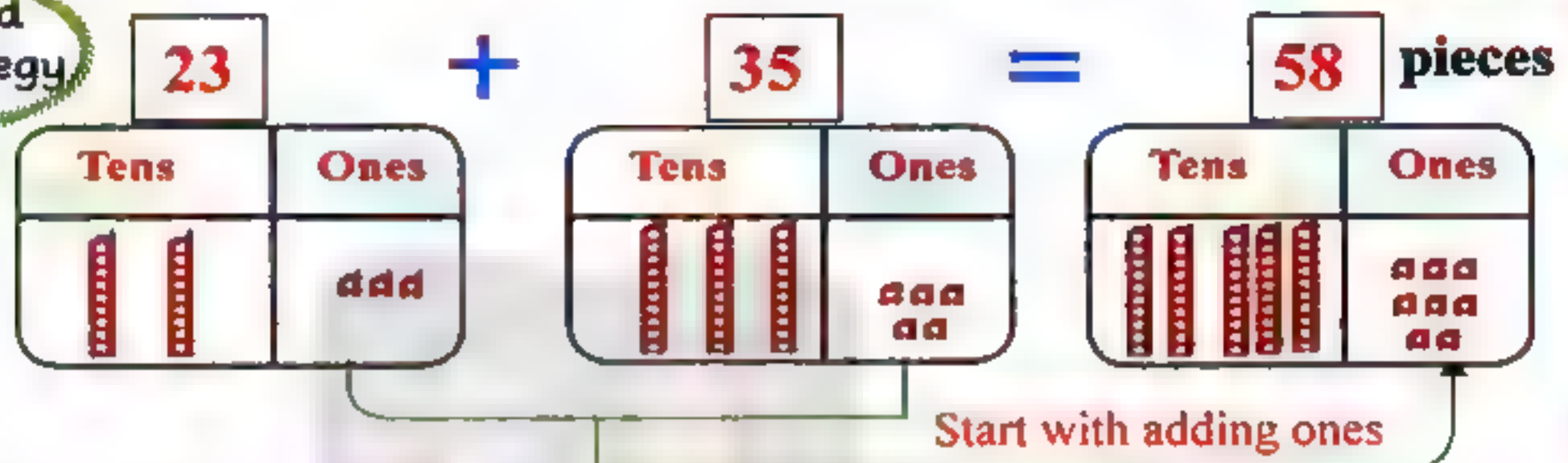
2

Hassan bought 23 pieces of chocolate and 35 pieces of biscuits . Find the number of all pieces.

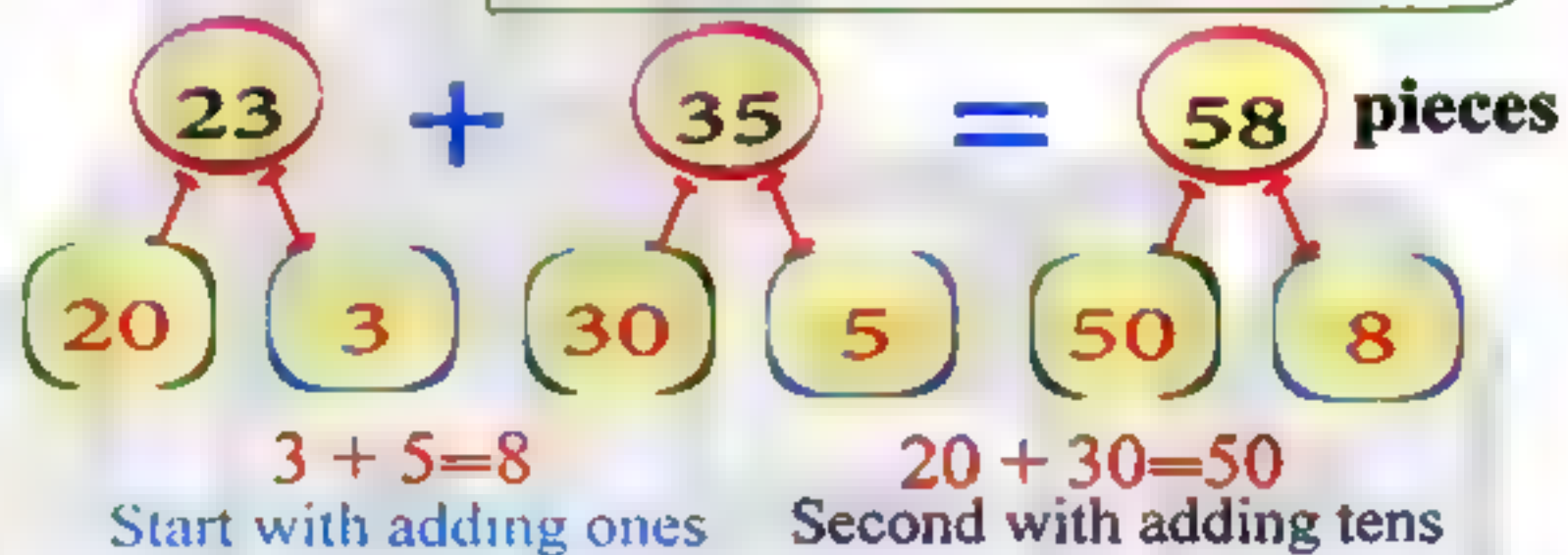


Solution

$$\text{The number of pieces} = 23 + 35$$

Math  
JornalSticks and  
cubes strategy

Another method

Decompose  
Strategy

## Exercise

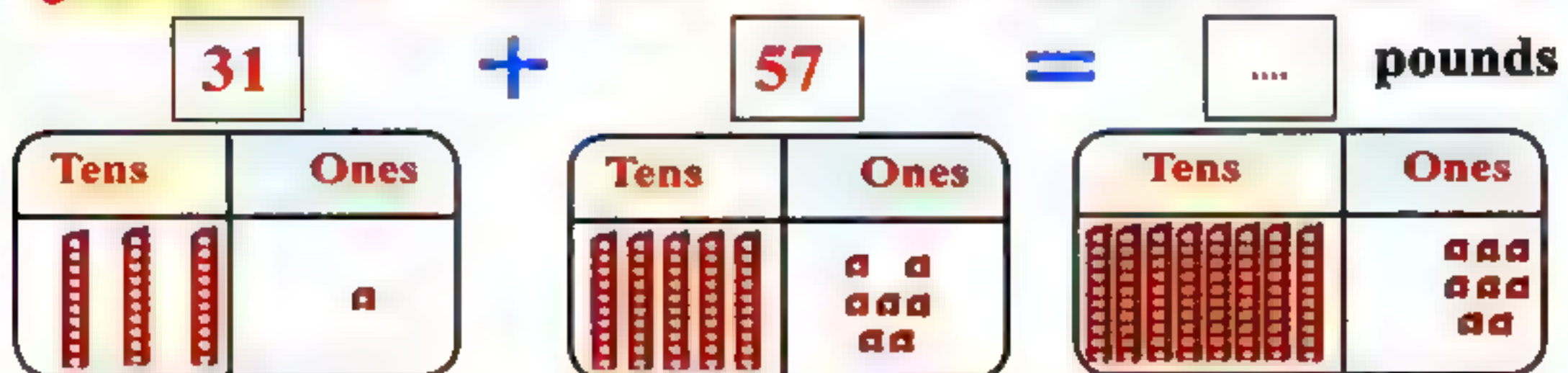
3

Karim donates 31 pounds , his brother donates 57 pounds . Find the total pounds did they donate .

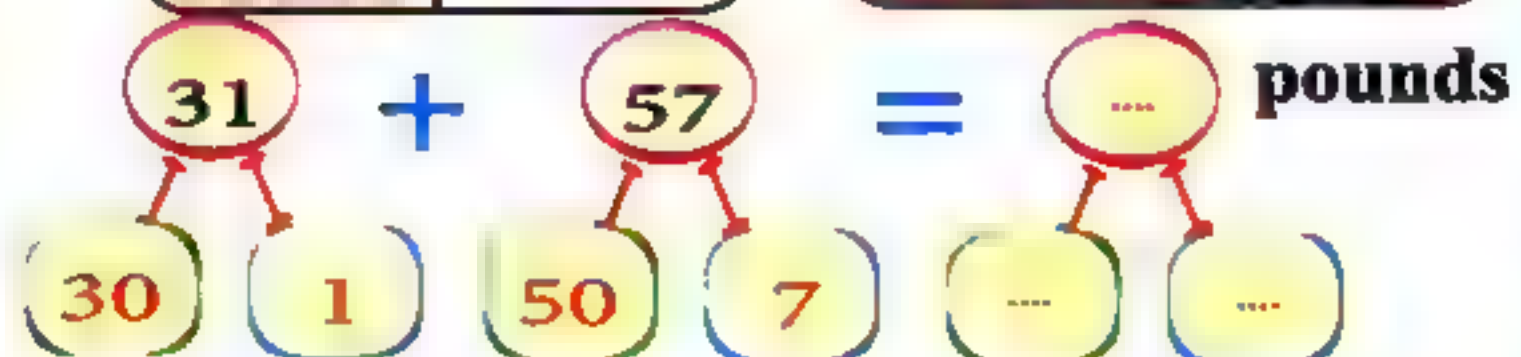


Solution

$$\text{Number of pounds} = 31 + 57$$



Another method





## Chapter 4

## Exercise 4

4

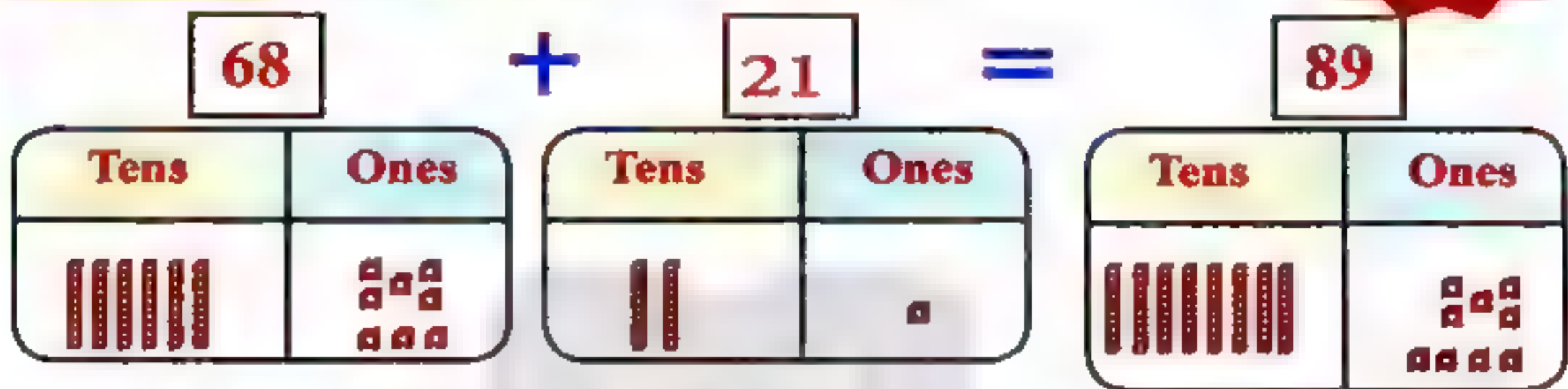
Maryam has 68 pencils, her sister gave her 21 pencils, Find the total number of pencils.



Solution

$$\text{Number of pencils} = 68 + 21$$

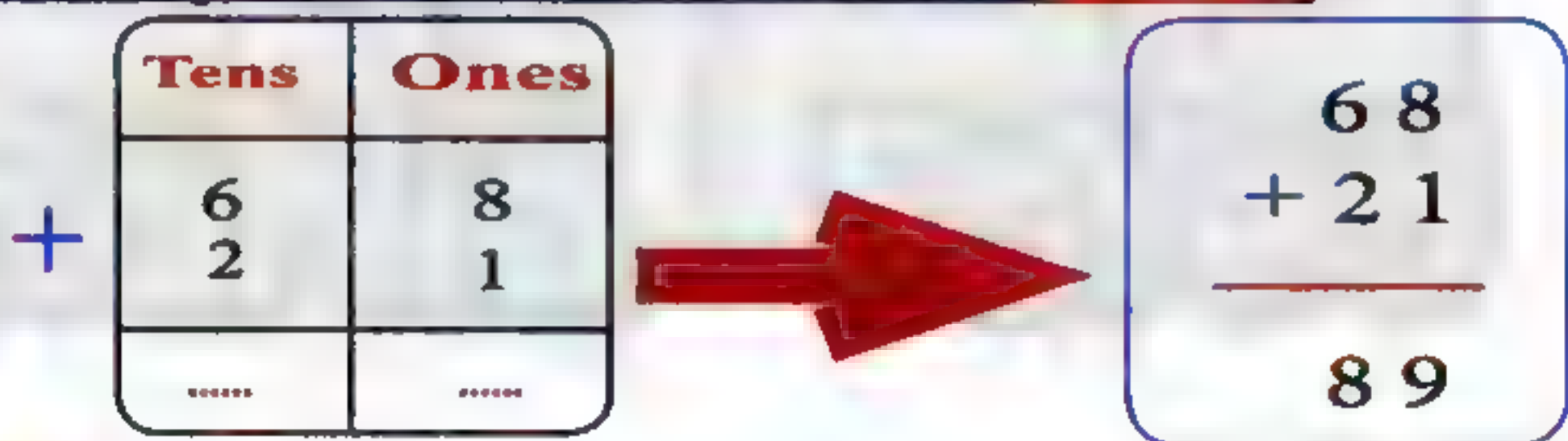
Maths Journal



Another method



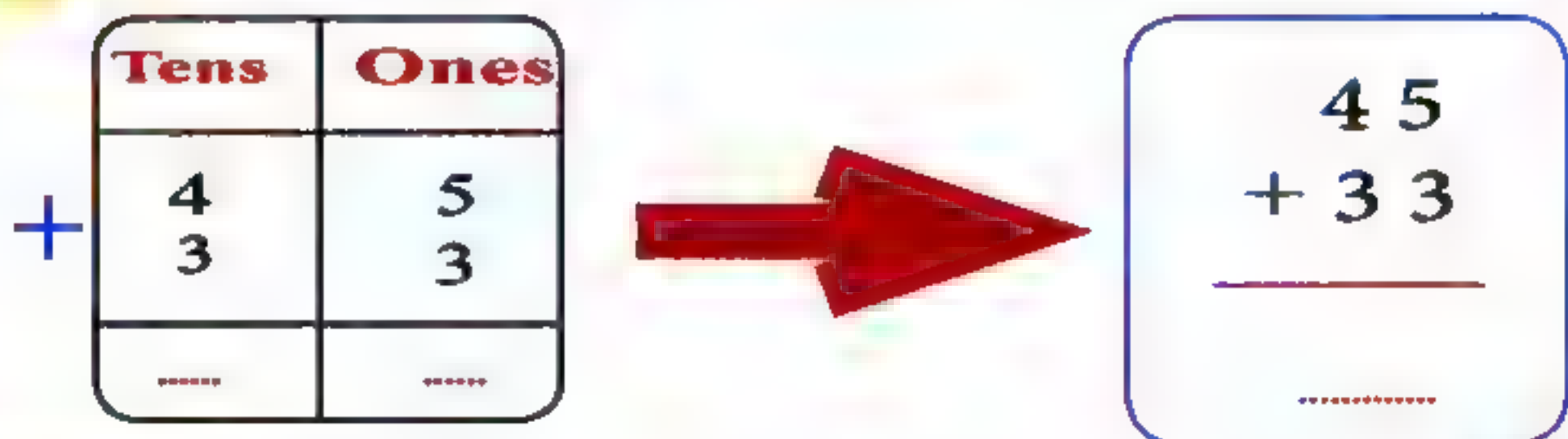
We can use up and down method to find  $68 + 21$



## Exercise 5

5

Find the result :



Bakkar Series

105



## Self - check on lesson (33, 34)

1 Write the number as Ex :



The number **13**



....



....





....

2 Find the result :



a  $24 + 5$


<div>.....</div>		+
<b>Tens</b>	<b>Ones</b>	
<div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	

b  $16 + 31$

<div>.....</div>		+
Tens	Ones	
		

c  $45 + 54$

<div>.....</div>		+
Tens	Ones	
		

<div>.....</div>		=
Tens	Ones	
	<div></div>	

<div>.....</div>		<div>==</div>
Tens	Ones	

<div>.....</div>		=
Tens	Ones	

<div>.....</div>	
<b>Tens</b>	<b>Ones</b>

<div>.....</div>	
Tens	Ones

		<div>.....</div>	
<b>Tens</b>		<b>Ones</b>	



## Chapter 4

3 Find the result :

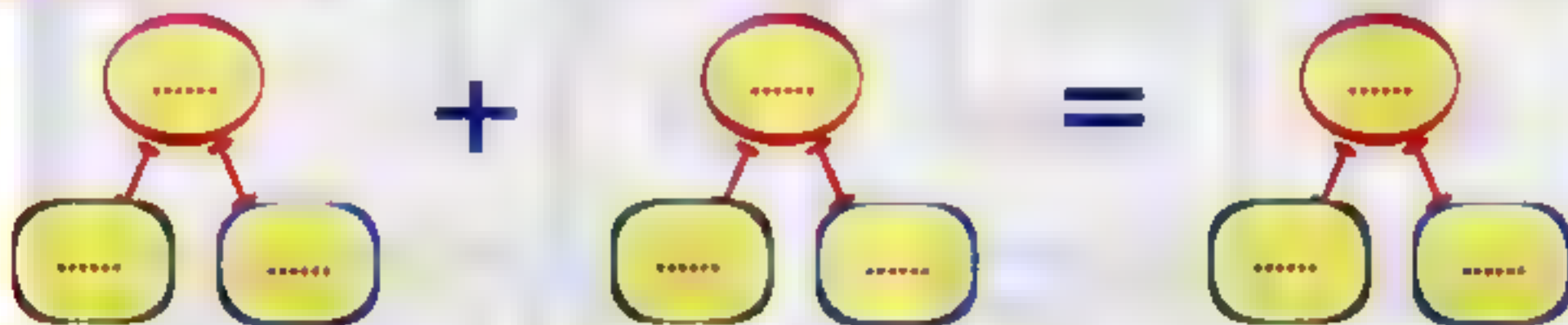
<b>Tens</b>	<b>Ones</b>	<b>Tens</b>	<b>Ones</b>	<b>Tens</b>	<b>Ones</b>	<b>Tens</b>	<b>Ones</b>	<b>Tens</b>	<b>Ones</b>
1	1	2	7	1	6	2	4	3	3
+ 2	7	+ 7	1	+ 5	3	+ 3	1	+	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

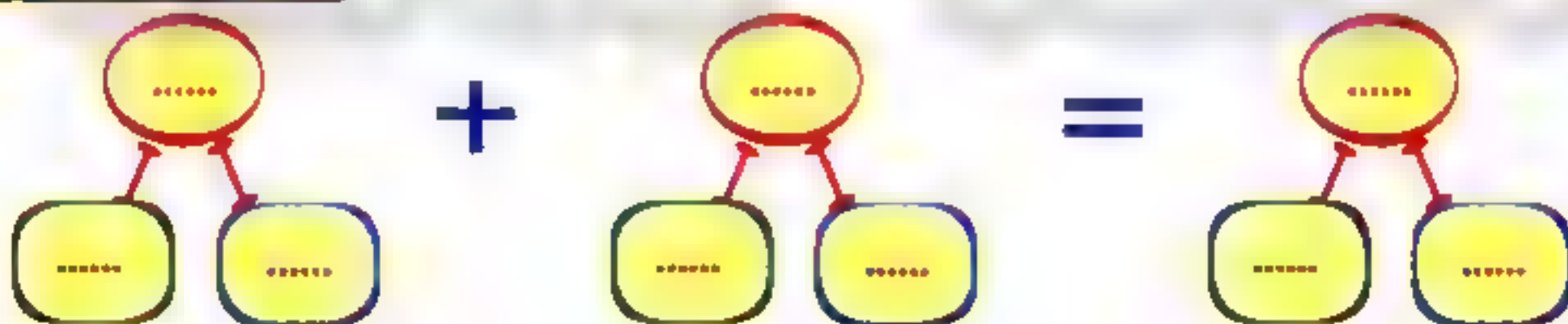
<b>Tens</b>	<b>Ones</b>	<b>Tens</b>	<b>Ones</b>	<b>Tens</b>	<b>Ones</b>	<b>Tens</b>	<b>Ones</b>	<b>Tens</b>	<b>Ones</b>
1	6	3	8	2	6	3	3	1	5
+ 3	3	+ 1	1	+ 4	2	+ 5	5	+ 4	0
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

4 Answer the following :

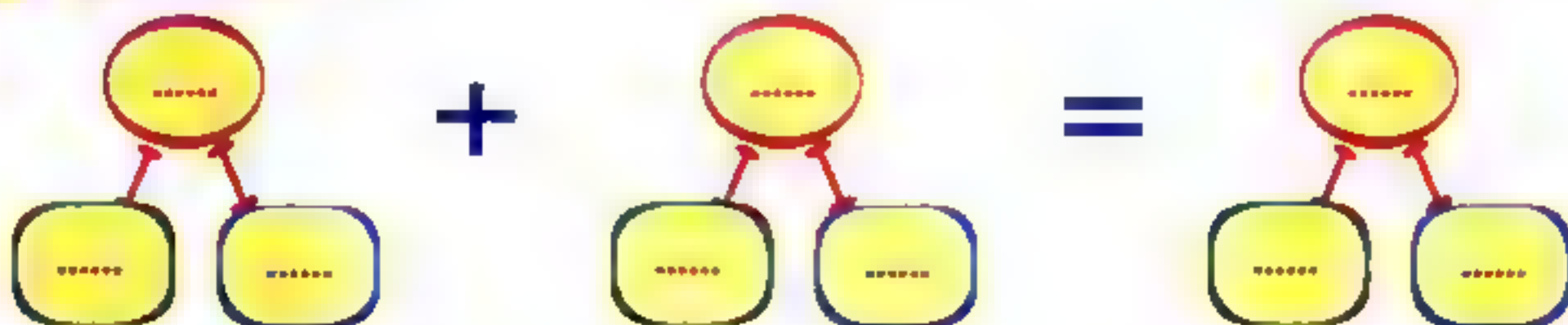
a)  $14 + 54$



b)  $36 + 13$



c)  $15 + 34$



Bakkar Series



## BAKKAR

## Operations on 3 digit

5 Find the result :

$\begin{array}{r} 14 \\ + 35 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ + 10 \\ \hline \end{array}$	$\begin{array}{r} 23 \\ + 16 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ + 38 \\ \hline \end{array}$	$\begin{array}{r} 40 \\ + 29 \\ \hline \end{array}$	$\begin{array}{r} 23 \\ + 25 \\ \hline \end{array}$
$\begin{array}{r} 24 \\ + 23 \\ \hline \end{array}$	$\begin{array}{r} 55 \\ + 44 \\ \hline \end{array}$	$\begin{array}{r} 67 \\ + 22 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ + 12 \\ \hline \end{array}$	$\begin{array}{r} 71 \\ + 18 \\ \hline \end{array}$	$\begin{array}{r} 33 \\ + 26 \\ \hline \end{array}$

6 Answer the following :

- a Seham has 25 flowers her father gave her 13 flowers ,  
How many flowers did Seham have ?

**Solution** add :  $25 + 13$   
Number of flowers = ..... + ..... = ..... flowers.

- b If 37 student are there in the class , and 31 student are there in  
another class , How many students are there in two classes?

**Solution** add : ..... + .....  
Number of students = ..... + ..... = student.

- c My mother works in a hotel as a service officer who helped 43  
guests to eat their breakfast and helped 42 guests at lunch .  
How many guests did she help?

**Solution** add :  $43 + 42$   
Number of guests = ..... + ..... = ..... guests.

Discover  
Book





## Lesson



( 35 )

## Subtracting 2 - digit numbers


Activity 1 Notice subtraction :

Subtract the ones  
then Subtract  
tensResult of  $37 - 25$ 

$$\boxed{37} - \boxed{25} = \boxed{12}$$

Tens	Ones
	

Sticks and  
cubes strategy

Tens	Ones
	

Another method

Decompose  
Strategy

$$\begin{array}{c} 37 \\ \swarrow \searrow \\ 30 \quad 7 \end{array} - \begin{array}{c} 25 \\ \swarrow \searrow \\ 20 \quad 5 \end{array} = \begin{array}{c} \dots\dots\dots \\ \swarrow \searrow \\ \dots\dots\dots \quad \dots\dots\dots \end{array}$$

$$7 - 5 = 2$$

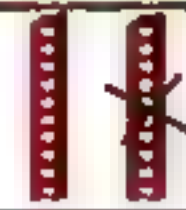

$$30 - 20 = 10$$



Start with subtracting ones    Second with subtracting tens

**Exercise 1** If 29 balls in the room , the students take 13 balls ,  
How many balls are remained ?

**Solution** Number of balls =  $29 - 13$

$$\boxed{29} - \boxed{13} = \boxed{\dots\dots\dots}$$

Tens	Ones
	

Tens	Ones
	

Another method

$$\begin{array}{c} 29 \\ \swarrow \searrow \\ 20 \quad 9 \end{array} - \begin{array}{c} 13 \\ \swarrow \searrow \\ 10 \quad 3 \end{array} = \begin{array}{c} \dots\dots\dots \\ \swarrow \searrow \\ \dots\dots\dots \quad \dots\dots\dots \end{array}$$

$$20 - 10 = 10 \quad 9 - 3 = 6$$

Bakkar Series

109



## BAKKAR

## Operations on 3 digit

## Exercise

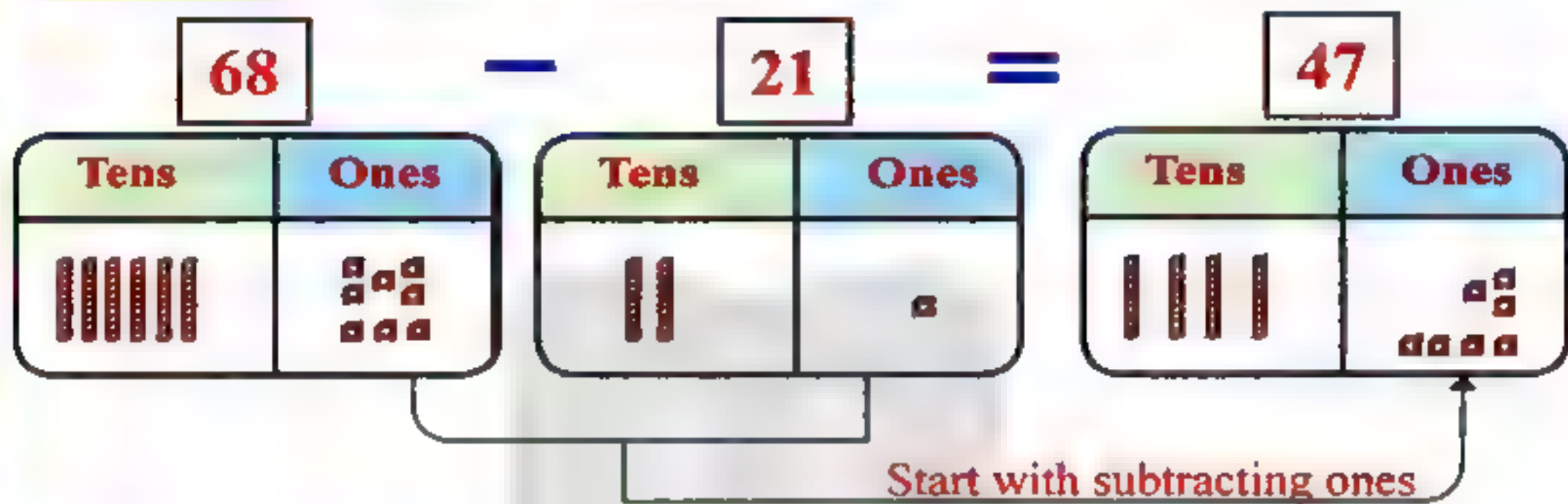
2

Kenzy had 68 rooks on the beach, she gave 21 rooks to her sister, How many rooks are left?



Solution

$$\text{Number of books} = 68 - 21 = 47$$



## Another method



We can use up and down method to find  $68 - 21$



## Exercise

3

Find the result of  $79 - 34$  :

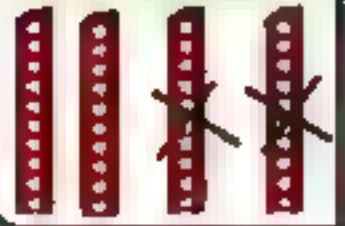




## Self - check on lesson ( 35 )

1 Subtract ( Sticks and cubes strategy ) as in a :

a  $46 - 25 = \dots$

Tens	Ones
	

Tens	Ones
	

b  $48 - 34 = \dots$

Tens	Ones

Tens	Ones

c  $18 - 5 = \dots$

Tens	Ones

Tens	Ones

d  $45 - 15 = \dots$

Tens	Ones

Tens	Ones



## 2 Subtract (Decompose Strategy):

a  $78 - 56 =$

b  $94 - 23 =$

c  $55 - 31 =$

## 3 Find the result (ones then tens):

<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>6</td><td>4</td></tr><tr><td>-3</td><td>1</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	6	4	-3	1	.....	.....	<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>5</td><td>0</td></tr><tr><td>-3</td><td>0</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	5	0	-3	0	.....	.....	<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>9</td><td>9</td></tr><tr><td>-4</td><td>6</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	9	9	-4	6	.....	.....	<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>3</td><td>3</td></tr><tr><td>-2</td><td>3</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	3	3	-2	3	.....	.....	<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>9</td><td>4</td></tr><tr><td>-5</td><td>2</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	9	4	-5	2	.....	.....
Tens	Ones																																											
6	4																																											
-3	1																																											
.....	.....																																											
Tens	Ones																																											
5	0																																											
-3	0																																											
.....	.....																																											
Tens	Ones																																											
9	9																																											
-4	6																																											
.....	.....																																											
Tens	Ones																																											
3	3																																											
-2	3																																											
.....	.....																																											
Tens	Ones																																											
9	4																																											
-5	2																																											
.....	.....																																											
<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>4</td><td>1</td></tr><tr><td>-3</td><td>1</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	4	1	-3	1	.....	.....	<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>6</td><td>8</td></tr><tr><td>-2</td><td>2</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	6	8	-2	2	.....	.....	<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>7</td><td>9</td></tr><tr><td>-5</td><td>7</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	7	9	-5	7	.....	.....	<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>6</td><td>5</td></tr><tr><td>-1</td><td>3</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	6	5	-1	3	.....	.....	<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>6</td><td>9</td></tr><tr><td>-4</td><td>6</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	6	9	-4	6	.....	.....
Tens	Ones																																											
4	1																																											
-3	1																																											
.....	.....																																											
Tens	Ones																																											
6	8																																											
-2	2																																											
.....	.....																																											
Tens	Ones																																											
7	9																																											
-5	7																																											
.....	.....																																											
Tens	Ones																																											
6	5																																											
-1	3																																											
.....	.....																																											
Tens	Ones																																											
6	9																																											
-4	6																																											
.....	.....																																											
<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>4</td><td>5</td></tr><tr><td>-1</td><td>5</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	4	5	-1	5	.....	.....	<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>6</td><td>9</td></tr><tr><td>-5</td><td>8</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	6	9	-5	8	.....	.....	<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>4</td><td>8</td></tr><tr><td>-2</td><td>4</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	4	8	-2	4	.....	.....	<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>4</td><td>3</td></tr><tr><td>-4</td><td>1</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	4	3	-4	1	.....	.....	<table><tr><th>Tens</th><th>Ones</th></tr><tr><td>8</td><td>8</td></tr><tr><td>-3</td><td>8</td></tr><tr><td>.....</td><td>.....</td></tr></table>	Tens	Ones	8	8	-3	8	.....	.....
Tens	Ones																																											
4	5																																											
-1	5																																											
.....	.....																																											
Tens	Ones																																											
6	9																																											
-5	8																																											
.....	.....																																											
Tens	Ones																																											
4	8																																											
-2	4																																											
.....	.....																																											
Tens	Ones																																											
4	3																																											
-4	1																																											
.....	.....																																											
Tens	Ones																																											
8	8																																											
-3	8																																											
.....	.....																																											




## Chapter 4

4 Find the result :

56 - 25 ----- .....	49 - 29 ----- .....	78 - 38 ----- .....	27 - 16 ----- .....	82 - 10 ----- .....	68 - 35 ----- .....
39 - 26 ----- .....	42 - 11 ----- .....	45 - 12 ----- .....	67 - 22 ----- .....	55 - 44 ----- .....	24 - 13 ----- .....


5 Answer the following :

- a) Nourhan had 47 apples , she gave 37 apples to her friends .  
How many apples are left ?

 Solution Subtract 47 - 37


Number of apples = ..... - ..... = ..... apple.

- b) If 73 chicken are there in the farm , 52 chicken runaway .  
How many chicken are left ?

 Solution Subtract 73 - 52

Number of chickens = ..... - ..... = ..... chicken.

- c) My aunt works in a clothing store that sold 85 pieces of clothing and at the end of the day 13 items were returned .  
How many pieces of clothing have they actually bought ?

 Solution Subtract 85 - 13

Number of pieces

= ..... - ..... = ..... piece.

Discover  
Book



Bakkar Series

113



## Lesson

( 36 )

## Estimate to add or subtract

Activity 1 Estimate using place value strategy :

Circle the highest place value digits ( left digits )



Estimate to 10



Estimate to 20



Estimate to 20

Exercise 1

Number	Estimation
35 →	30
47 →	40
72 →	70

**Estimation**  
Keep the tens digit as it is and replace the ones digit with 0

Number	Estimation
19 →	10
85 →	80
91 →	90

Activity 2 Use place value strategy ( left digits ) to estimate :

To use place value strategy to estimate a number ( left digit ):  
Circle the highest place value digits ( left digits ) remove the other digits and replace it with 0  
Then do the operation ( addition - subtraction )

Exercise 2 Use place value strategy ( left digits ) to estimate :

$\begin{array}{r} 13 \\ + 19 \end{array}$	Estimate to	$\begin{array}{r} 10 \\ + 10 \\ \hline 20 \end{array}$
	Estimate to	

The sum of  $13 + 19$   
Estimate to 20



## Chapter 4

## Exercise 3

Estimate the numbers to find  $27 + 32$  :

$27 + 32$

$$\begin{array}{r} 27 \\ + 32 \\ \hline \end{array}$$

Estimate to

Estimate to

$$\begin{array}{r} 20 \\ + 30 \\ \hline 50 \end{array}$$

The estimation of  $27 + 32$  is 50

## Exercise 4

Estimate the numbers to find as ( a ) :

**a**  $31 + 18$

$$\begin{array}{r} 31 \\ + 18 \\ \hline \end{array}$$

Estimate to

Estimate to

$$\begin{array}{r} 30 \\ + 10 \\ \hline 40 \end{array}$$

The estimation of  $31 + 18$  is 40

**b**  $48 + 37$

$$\begin{array}{r} 48 \\ + 37 \\ \hline \end{array}$$

Estimate to

Estimate to

$$\begin{array}{r} \dots \\ + \dots \\ \hline 70 \end{array}$$

The estimation of  $48 + \dots$  is  $\dots$ 

**c**  $53 + 49$

$$\begin{array}{r} 53 \\ + 49 \\ \hline \end{array}$$

Estimate to

Estimate to

$$\begin{array}{r} \dots \\ + \dots \\ \hline \dots \end{array}$$

The estimation of  $\dots + \dots$  is  $\dots$ 

## Exercise 5

Reem made 27 Beads necklace , then she made another 32 Beads necklace others .

Estimate the Number of Beads necklace.

Solution

$27 + 32$

$$\begin{array}{r} 27 \\ + 32 \\ \hline \end{array}$$

Estimate to

Estimate to

$$\begin{array}{r} \dots \\ + \dots \\ \hline \dots \end{array}$$

The estimation of  $\dots + \dots$  is 50

Bakkar Series

115



## BAKKAR

## Operations on 3 digit

## Exercise 6

6

Estimate the numbers to find  $68 - 20$  :

$68 - 20$

$$\begin{array}{r} 68 \\ - 20 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ - 20 \\ \hline 40 \end{array}$$

The estimation of  $60 - 20$   
is 40

## Exercise 7

7

Estimate the numbers to find as ( a ) :

$89 - 67$

$$\begin{array}{r} 89 \\ - 67 \\ \hline \end{array}$$

Estimate to

Estimate to

$$\begin{array}{r} 80 \\ - 60 \\ \hline 20 \end{array}$$

The estimation of  $89 - 67$   
is 20

$91 - 39$

$$\begin{array}{r} 91 \\ - 39 \\ \hline \end{array}$$

Estimate to

Estimate to

$$\begin{array}{r} .... \\ - .... \\ \hline .... \end{array}$$

The estimation of  $91 - ....$   
is ....

$73 - 49$

$$\begin{array}{r} 73 \\ - 49 \\ \hline \end{array}$$

Estimate to

Estimate to

$$\begin{array}{r} .... \\ - .... \\ \hline .... \end{array}$$

The estimation of  $.... - ....$   
is ....

## Exercise 8

8

Nadeen has 28 pounds she gave 17 pound to her brother estimate the remainder money with Nadeen ?



Solution

$28 - 17$

$$\begin{array}{r} 28 \\ - 17 \\ \hline \end{array}$$

Estimate to

Estimate to

$$\begin{array}{r} ..... \\ - ..... \\ \hline ..... \end{array}$$

The estimation of  $..... - .....$   
is ....

Math  
Journal



## Self - check on lesson (36)

1 Choose the estimated value of the following :



( 30 , 20 , 10 )



( 20 , 10 , 5 )



( 40 , 20 , 5 )

2 Choose the estimated value of the following :

a 17 Estimate to : .....

( 0 , 10 , 20 )

b 23 Estimate to : .....

( 20 , 30 , 40 )

c 77 Estimate to : .....

( 60 , 70 , 80 )

d 12 Estimate to : .....

( 10 , 20 , 2 )

3 Estimate as a :

a

$29 + 51$	$\begin{array}{r} 29 \\ + 51 \end{array}$	Estimate to $\rightarrow$ Estimate to $\rightarrow$	$\begin{array}{r} 20 \\ + 50 \\ \hline 70 \end{array}$
-----------	---	--	--

The estimation of  $29 + 51$  is 70

b

$38 + 53$	$\begin{array}{r} 38 \\ + 53 \end{array}$	Estimate to $\rightarrow$ Estimate to $\rightarrow$	$\begin{array}{r} \dots \\ + \dots \\ \hline 80 \end{array}$
-----------	---	--	--

The estimation of  $38 + \dots$  is ....

c

$19 + 37$	$\begin{array}{r} 19 \\ + 37 \end{array}$	Estimate to $\rightarrow$ Estimate to $\rightarrow$	$\begin{array}{r} \dots \\ + \dots \\ \hline \dots \end{array}$
-----------	---	--	---

The estimation of  $\dots + \dots$  is ....

Bakkar Series

117



## BAKKAR

## Operations on 3 digit

4 Estimate the following as (a) :

a  $31 - 18$

31	Estimate to	30
-18	Estimate to	-10
20		

The estimation of  $31 - 18$  is 20

b  $59 - 42$

59	Estimate to	....
-42	Estimate to	-....
10		

The estimation of  $59 - \dots$  is ....

c  $76 - 17$

76	Estimate to	....
-17	Estimate to	-....
....		

The estimation of  $\dots - \dots$  is ....

5 Choose the estimated value :

- a  $16 + 20$  Estimate to : ..... ( 0 , 20 , 30 )
- b  $68 - 20$  Estimate to: ..... ( 10 , 40 , 80 )
- c  $52 + 34$  Estimate to : ..... ( 40 , 70 , 80 )
- d  $28 - 17$  Estimate to: ..... ( 0 , 10 , 40 )

6 Walaa bought 24 pieces of gach then bought another 36 pieces . Estimate the number of all pieces ?



Solution

Estimate ..... + .....

+ ..... + ..... ----- ....	Estimate to	+ ..... + ..... ----- ....
.....		

The estimation : ..... + .....  
Estimated to ..... pieces



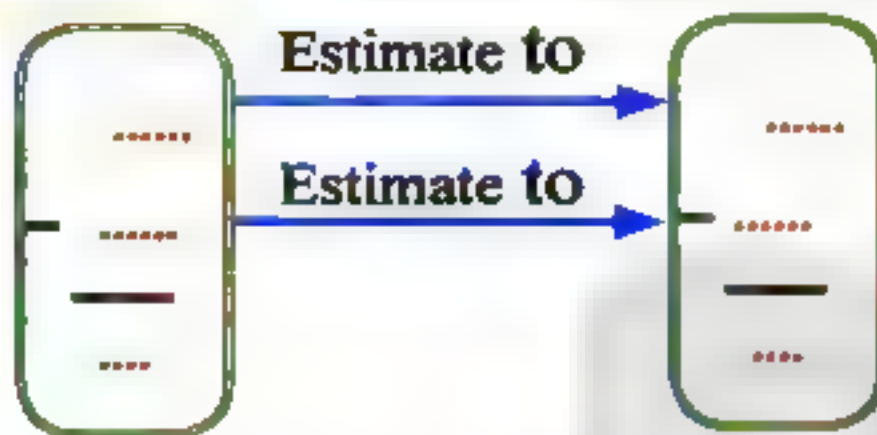
## Chapter 4

- 7 A class has 79 pupils, 42 are boys.  
Estimate the number of girls.



Solution

The estimation : ..... - .....



The estimation : ..... - .....  
Estimated to ..... girl

- 8 Complete the table as the first row :



$43 + 42$	$40 + 40$	Estimate to : 80
$23 + 58$	..... + .....	Estimate to : .....
$51 - 24$	..... - .....	Estimate to : .....
$67 + 40$	..... + .....	Estimate to : .....
Sama has L.E 33 and she get L.E 29 . Estimate the amount with her ?	..... + .....	Estimate to : .....
Rami rides on the train for a duration 64 minutes. He boarded the train 32 minutes ago . Estimate the number of minutes remaining on a train trip.	..... - .....	Estimate to : .....

Bakkar Series

119



## General Self - check

1 Join with the suitable estimation :



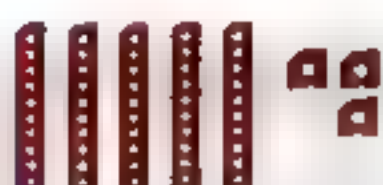
The estimation 30



The estimation 10



The estimation 50



The estimation 40

2 Answer the following :

Tens	Ones
2	3
+ 5	6
.....	.....

Tens	Ones
2	8
+ 5	1
.....	.....

Tens	Ones
1	6
+ 4	1
.....	.....

Tens	Ones
2	4
+ 3	5
.....	.....

Tens	Ones
2	2
+ 4	1
.....	.....

Tens	Ones
7	5
- 2	3
.....	.....

Tens	Ones
2	9
- 2	3
.....	.....

Tens	Ones
3	7
- 2	7
.....	.....

Tens	Ones
5	8
- 1	4
.....	.....

Tens	Ones
6	4
- 3	1
.....	.....



## Chapter 4

3 Using the chart to find :

$25 + 5 = \dots\dots$

$12 + 10 = \dots\dots$

21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

$25 - 5 = \dots\dots$

$12 - 10 = \dots\dots$

21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

4 Find the result of the following :

$$\begin{array}{r} 17 \\ + 3 \\ \hline \dots\dots \end{array}$$

$$\begin{array}{r} 13 \\ + 12 \\ \hline \dots\dots \end{array}$$

$$\begin{array}{r} 6 \\ + 6 \\ \hline \dots\dots \end{array}$$

$$\begin{array}{r} 8 \\ + 8 \\ \hline \dots\dots \end{array}$$

$$\begin{array}{r} 2 \\ + 7 \\ \hline \dots\dots \end{array}$$

$$\begin{array}{r} 7 \\ + 2 \\ \hline \dots\dots \end{array}$$

5 Choose the suitable estimation :

a  $49 + 20$  estimate to :  $\dots\dots$

( 20 , 40 , 60 )

b  $68 - 20$  estimate to :  $\dots\dots$

( 10 , 40 , 70 )

c  $52 + 34$  estimate to :  $\dots\dots$


( 40 , 60 , 80 )

d  $28 - 17$  estimate to :  $\dots\dots$

( 0 , 10 , 30 )

6 Answer the following :

Tahany found 34 shell on the beach and her sister found 53 shell . What is the number of all shell ?

 Solution Number of shell =  $\dots\dots + \dots\dots = \dots\dots$  shell

Bakkar Series

121



## Lesson

(37, 38)

## Adding by regrouping

Activity

1

Notice the numbers :

a  =   
10 ones = 1 tens

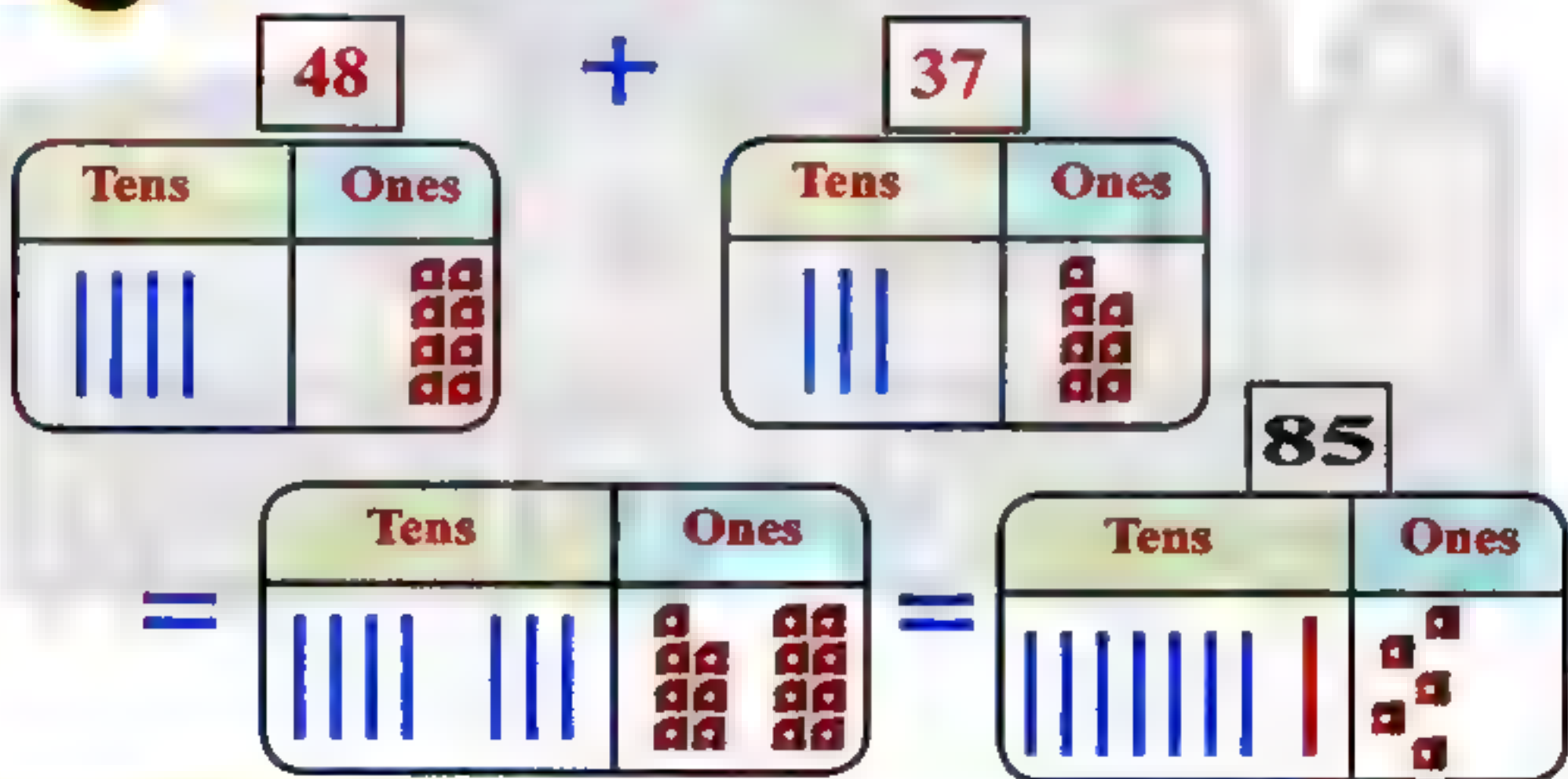
b  =   
15 ones = 1 tens, 5 ones

c  =  = 31





d  =  = 42









Exercise

1

Find the sum of  $48 + 37$  :

## Another method

 + 
  = 
  = 
 

$48 + 37 = 15 + 70 = 5 + 10 + 70 = 5 + 80 = 85$



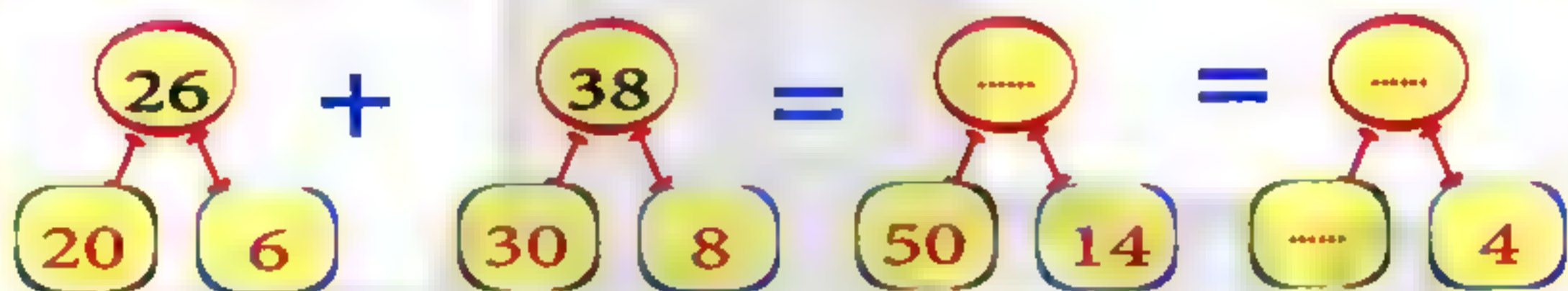
## Chapter 4

**Exercise 2** Find the sum of  $38 + 26$  :

**Solution**  $26 + 38 = \dots\dots$

Tens	Ones	Tens	Ones	Tens	Ones
					

**Another method**



$$26 + 38 = \dots\dots + 50 = \dots\dots + 10 + 50 = \dots\dots + \dots\dots = \dots\dots$$

**We can do as following**  $26 + 38$

Tens	Ones		Tens	Ones
2	6	➔	2	6
3	8		3	8
.....	.....		.....	14

**Then**

$$\begin{array}{r} 1 \\ 26 \\ + 38 \\ \hline 64 \end{array}$$

**Bakkar Series**

123



## Self - check on lesson ( 37 , 38 )

1 Complete as in ( a ) :

تابع جديد زاكروولي على موقعنا  
https://www.zakrooly.com

a  $35 + 6$

35		+	6		=	41	
Tens	Ones		Tens	Ones		Tens	Ones
	□□□			□□□			□

b  $29 + 43$

.....		+	.....		=	.....	
Tens	Ones		Tens	Ones		Tens	Ones

c  $67 + 24$

.....		+	.....		=	.....	
Tens	Ones		Tens	Ones		Tens	Ones

d  $78 + 17$

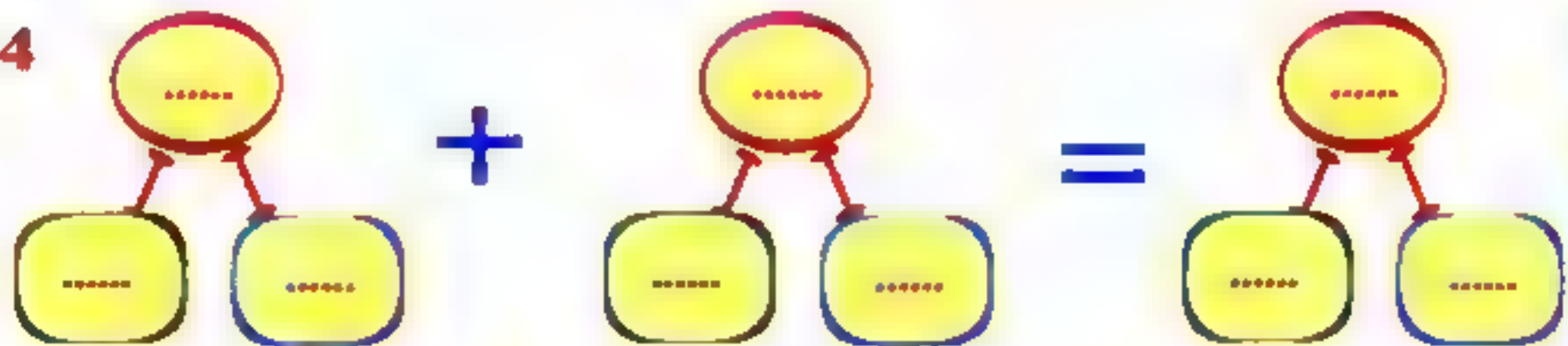
.....		+	.....		=	.....	
Tens	Ones		Tens	Ones		Tens	Ones



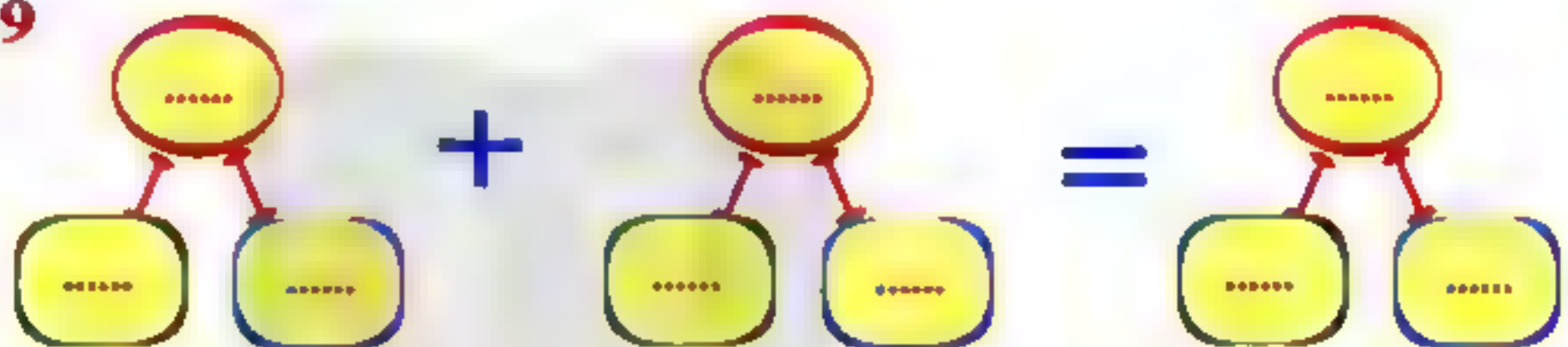
## Chapter 4

2 Complete :

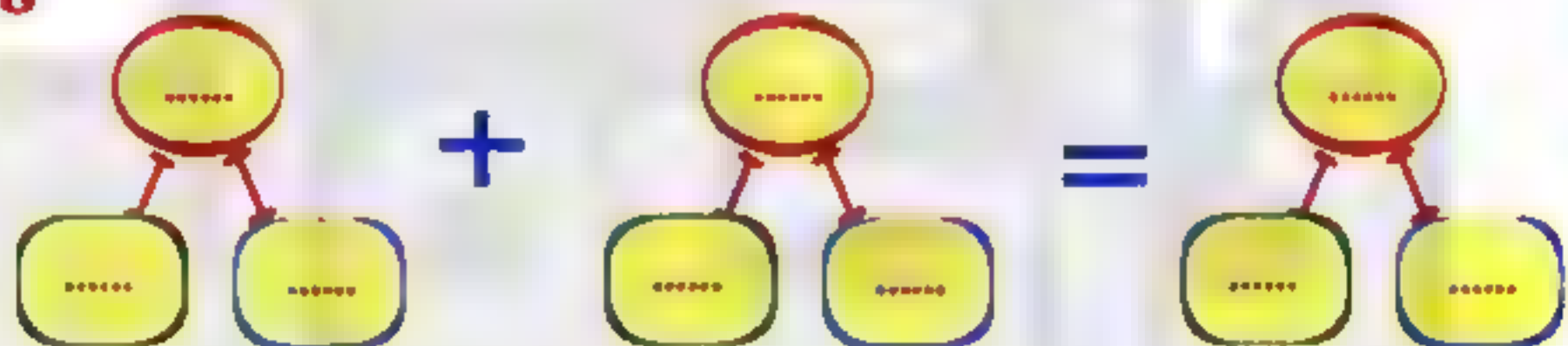
a  $58 + 14$



b  $33 + 39$



c  $28 + 28$



3 Answer the following :

Tens	Ones
3	8
+4	9

Tens	Ones
2	6
+5	7

Tens	Ones
2	8
+3	5

Tens	Ones
5	4
+2	2

Tens	Ones
6	8
+1	3

Tens	Ones
1	9
+3	7

Tens	Ones
2	5
+2	5

Tens	Ones
4	5
+4	6

Tens	Ones
5	7
+1	4

Tens	Ones
4	9
+2	3

Bakkar Series

125



4 Find the result of the following :

15 + 19 ----- .....	82 + 14 ----- .....	15 + 16 ----- .....	12 + 38 ----- .....	47 + 29 ----- .....	18 + 25 ----- .....
42 + 49 ----- .....	46 + 19 ----- .....	56 + 14 ----- .....	33 + 39 ----- .....	71 + 19 ----- .....	33 + 27 ----- .....

5 Answer of the following :

- a My brother draw 46 photos then draw 45 photos .  
How many photos did my brother draw ?

Solution .....

- b Hager has 21 books , her sister has 49 books .  
How many books do they have ?

Solution .....

- c From the farm we collected 33 and 27 from different plants .  
How many plants do we collect ?

Discover  
Book

Solution .....





## Lesson

( 39 , 40 )

## Adding more than two numbers

Activity 1 Add  $26 + 38$  :

$$26 + 38 = \dots$$

$$= 64$$

So  $26 + 38 = 14 + 50 = 4 + 10 + 50 = 64$

Activity 2 Add  $23 + 35 + 13$  :

$35 + 23 + 13$	
$35 + 23$ 	$13$ 
$58 + 13 = 71$ 	

Exercise 1 Find the result of  $14 + 11 + 53$  :

Solution

$14 + 11 + 53$	
$14 + 11$ 	$53$ 
$25 + 53 = \dots$	

Bakkar Series

127



## BAKKAR

## Operations on 3 digit

## Exercise 2

A tree has 3 nest each one has 7 birds .  
How many birds on the tree ?

Discover Book



Solution Number of birds =  $7 + 7 + 7$   
=  $14 + 7 = 21$  birds

## Exercise 3

Add as in ( a ) :

(a)  $28 + 41 + 10$



Solution  $28 + 41 + 10 = 28 + 41 + 10$   
=  $69 + 10 = 79$

(b)  $31 + 42 + 16 = \dots + 16 = \dots$

(c)  $35 + 24 + 32 = \dots + 32 = \dots$

(d)  $14 + 30 + 21 = \dots + 21 = \dots$







## Activity

## 3

Find  $35 + 17 + 25 + 14$  :

Math Journal

$35 + 17 + 25 + 14$			
$35 + 17$		$25 + 14$	
			
$52 + 39$			
			
			$= 91$



## Chapter 4

Exercise

4

Find the sum :

Math  
Jornal

$$13 + 17 + 22 + 29$$

$$\begin{array}{r} 13 \\ \hline \end{array} + \begin{array}{r} 17 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ \hline \end{array} + \begin{array}{r} 29 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ \hline \end{array} + \begin{array}{r} 51 \\ \hline \end{array} = \begin{array}{r} \phantom{00} \\ \hline \end{array}$$

Exercise

5

Find as in ( a ) :

Math  
Jornal

(a)  $23 + 17 + 12 + 36$



Solution

$$23 + 17 + 12 + 36 = \begin{array}{r} 23 + 17 \\ \hline 40 \end{array} + \begin{array}{r} 12 + 36 \\ \hline 48 \end{array} = 88$$

(b)  $22 + 19 + 18 + 14 = \dots + \dots = \dots$

(c)  $39 + 23 + 18 + 10 = \dots + \dots = \dots$

(d)  $17 + 20 + 37 + 20 = \dots + \dots = \dots$

Exercise

6

My grandmother go to the market she bought  
a vegetable for L.E 35 , bread for L.E 11 , a hen  
for L.E 27 and L.E 10 for taxi .

Find the total amount my grandmother pay .

Discover  
Book

Solution

$$\begin{aligned} \text{She paid} &= 35 + 11 + \dots + \dots \\ &= \dots + \dots = \text{L.E } \dots \end{aligned}$$

Bakkar Series

129



## Self - check on lesson (39, 40)

1 Count and write the numbers as in (a) :

(a)  $|| \cdot \cdot \cdot || \cdot \cdot = 15 + 34$

(b)  $||| \cdot \cdot \cdot ||| \cdot \cdot = \dots + \dots$

(c)  $|||| \cdot \cdot || \cdot \cdot = \dots + \dots$

(d)  $|||| \cdot \cdot || \cdot \cdot = \dots + \dots$

2 Add the following :

$$\begin{array}{r} 56 \\ + 27 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ + 58 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ + 35 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ + 47 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ + 49 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 39 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ + 29 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ + 19 \\ \hline \end{array}$$

3 Find the sum in digit :

(a)  $||| \cdot \cdot || \cdot \cdot + || \cdot \cdot = \dots + \dots = \dots$

(b)  $|| \cdot \cdot || \cdot \cdot + ||| \cdot \cdot = \dots + \dots = \dots$



## Chapter 4

4 Find as in ( a ) :

تابعنا على صفحتنا على الفيسبوك  
www.facebook.com/ZakroolySite

$$\begin{aligned} \text{a) } 19 + 29 + 11 &= \underline{19 + 29} + 11 \\ &= \underline{48} + 11 = 59 \end{aligned}$$

$$\text{b) } 32 + 24 + 18 = \dots + \dots = \dots$$

$$\text{c) } 35 + 43 + 16 = \dots + \dots = \dots$$

$$\text{d) } 13 + 57 + 20 = \dots + \dots = \dots$$

$$\text{e) } 46 + 24 + 13 = \dots + \dots = \dots$$

5 Find as in ( a ) :

$$\begin{aligned} \text{a) } 28 + 24 + 14 + 22 &= \underline{28 + 24} + \underline{14 + 22} \\ &= \underline{52} + \underline{36} = 88 \end{aligned}$$

$$\text{b) } 16 + 18 + 7 + 15 = \dots + \dots = \dots$$

$$\text{c) } 32 + 28 + 25 + 10 = \dots + \dots = \dots$$

$$\text{d) } 13 + 38 + 31 + 15 = \dots + \dots = \dots$$

$$\text{e) } 35 + 21 + 11 + 20 = \dots + \dots = \dots$$

6 My mother go to her work 4 days weekly , each day cost L.E 14 for transportation.  
Find the cost of transportation in the week .

Discover Book

**Solution** The cost =  $14 + 14 + \dots + \dots$   
=  $\dots + \dots = \text{L.E } \dots$

Bakkar Series

131



## Self - check 1 Chapter 4

1 Answer the following :

Tens	Ones
3	7
+ 3	4
.....	.....

Tens	Ones
3	6
+ 4	6
.....	.....

Tens	Ones
3	8
- 1	1
.....	.....

Tens	Ones
6	7
- 5	6
.....	.....

Tens	Ones
5	9
- 4	5
.....	.....

2 Rasheda has 26 dates , she get another 15 dates .  
How many dates does she have now ?

$$\boxed{26} + \boxed{15} = \boxed{\dots\dots}$$

Tens	Ones
	

Tens	Ones

Tens	Ones

3 Answer the following :

$$\begin{array}{c} \textcircled{19} \\ \swarrow \searrow \\ \textcircled{10} \quad \textcircled{9} \end{array} + \textcircled{9} = \begin{array}{c} \textcircled{\dots\dots} \\ \swarrow \searrow \\ \textcircled{\dots\dots} \quad \textcircled{\dots\dots} \end{array}$$

4 Complete :

a

83	Estimate to	.....
- 40	Estimate to	- ..... ----- .....

Estimation of : ..... - .....  
is .....

b

$$26 + 18 + 33 + 11 = \underline{\hspace{2cm}} + 44 = \underline{\hspace{2cm}}$$



## Self - check 2 Chapter 4

1 Answer the following :

Tens	Ones
5	1
- 3	0
.....	.....

Tens	Ones
6	0
- 4	0
.....	.....

Tens	Ones
2	6
+ 5	5
.....	.....

Tens	Ones
4	9
+ 3	3
.....	.....

Tens	Ones
5	3
+ 1	8
.....	.....

2 Answer the following :

$$\begin{array}{c}
 \textcircled{48} \\
 \swarrow \searrow \\
 \textcircled{40} \quad \textcircled{8}
 \end{array}
 - \textcircled{8} = \begin{array}{c}
 \textcircled{\dots\dots\dots} \\
 \swarrow \searrow \\
 \textcircled{\dots\dots\dots} \quad \textcircled{\dots\dots\dots}
 \end{array}$$

3 My grandfather go to the library and bought books for L.E 41 , notebooks for L.E 15 , pens for L.E 27 and paid L.E 10 for taxi . How much money did he pay ?



**Solution** The cost =  $41 + 15 + \dots\dots + \dots\dots$   
 $= \dots\dots + \dots\dots = \text{L.E } \dots\dots$

Discover Book

4 Complete :

a

$  \begin{array}{r}  36 \\  + 32 \\  \hline  \end{array}  $	Estimate to	$  \begin{array}{r}  \dots\dots \\  + \dots\dots \\  \hline  \dots\dots  \end{array}  $	Estimation of : $\dots\dots - \dots\dots$ is $\dots\dots\dots$
	Estimate to		

b

$$15 + 12 + 43 + 20 = 27 + \dots\dots = \dots\dots$$

Bakkar Series

133



## Self - check 3 Chapter 1,2,3,4

1 Find the result of the following :

$$\begin{array}{r} 28 \\ + 14 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 74 \\ + 11 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 16 \\ + 25 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 48 \\ + 18 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 8 \\ + 8 \\ \hline \end{array}$$

.....

$$\begin{array}{r} 36 \\ + 10 \\ \hline \end{array}$$

.....

2 Put the suitable sign (  $<$ ,  $=$ ,  $>$  ) :

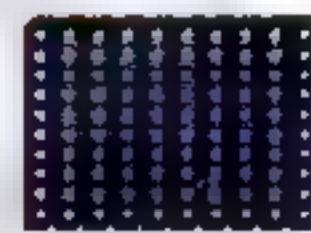
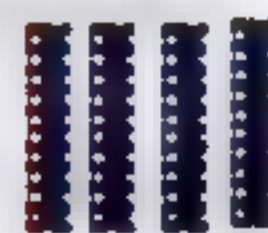
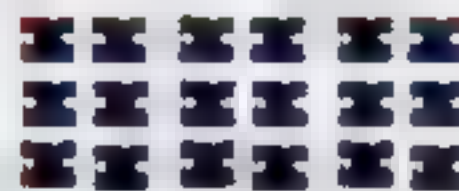
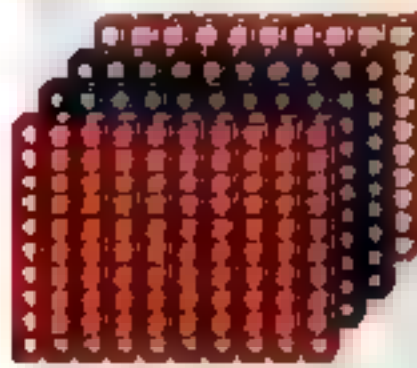
a  $100$  .....  $300$

b  $89$  .....  $890$

c  $538$  .....  $438$

d  $460$  .....  $460$

3 Join :



40

400

100

18

4 Using the chart find :

a  $30 + 10 =$  .....

b  $28 - 10 =$  .....

c  $12 + 5 =$  .....

31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10



## Chapter 4

5 Complete :

- (a)  $5 + 7 = 5 + \dots + 2$
- (b) The number just after 120 is .....
- (c) ....., 20, 30, 40, .....
- (d) Twenty = ..... ( in digit )
- (e)  $685 = \dots + \dots + \dots$

تابع جدید ذاکرولی علی  
فیسبوک  
یوٹیوب  
والس ایب  
ٹیبلگرام

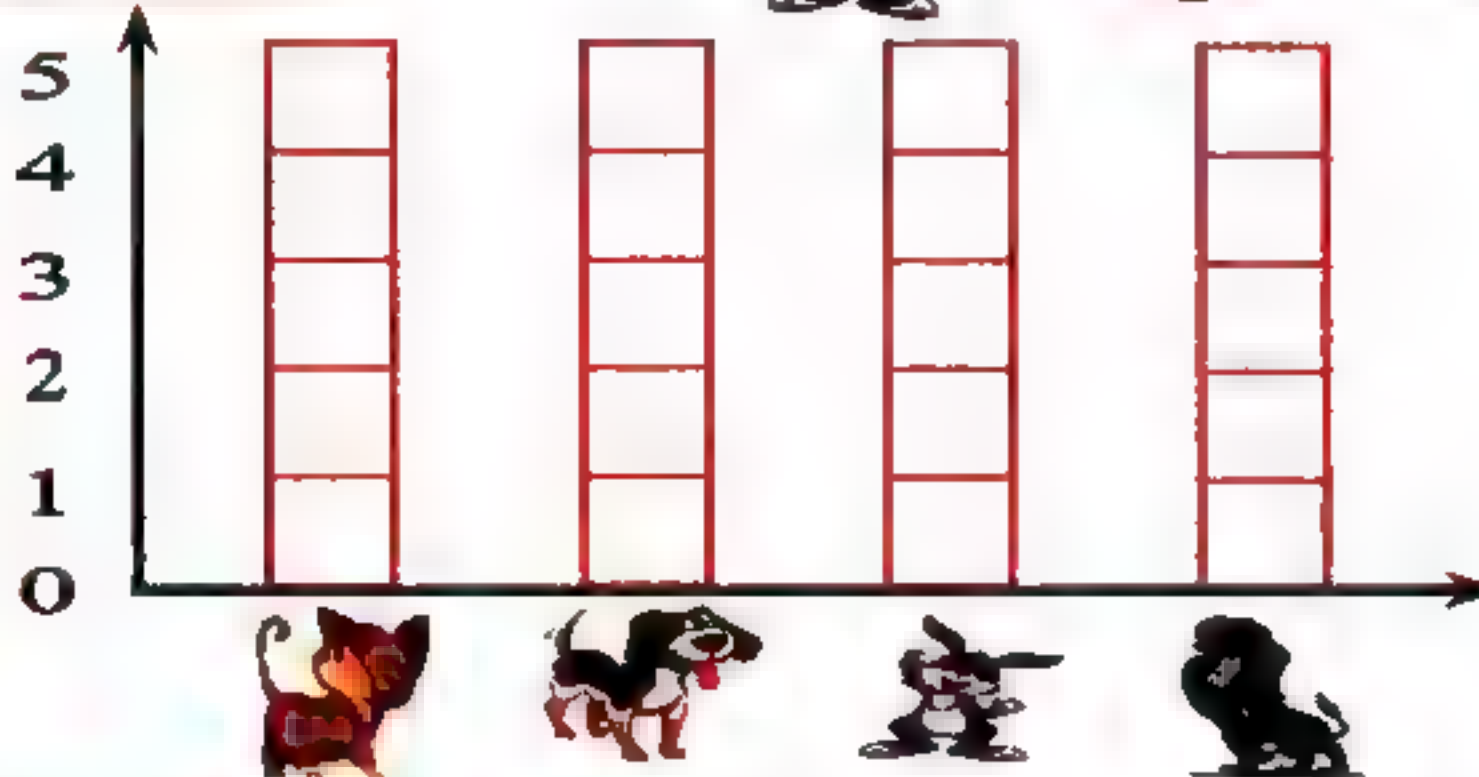
6 Complete :

$$\begin{array}{c} \textcircled{39} \\ \swarrow \searrow \\ \textcircled{30} \quad \textcircled{9} \end{array} - \textcircled{3} = \begin{array}{c} \textcircled{\dots} \\ \swarrow \searrow \\ \textcircled{\dots} \quad \textcircled{\dots} \end{array}$$

7 From the pictures complete the bar graph :



The number

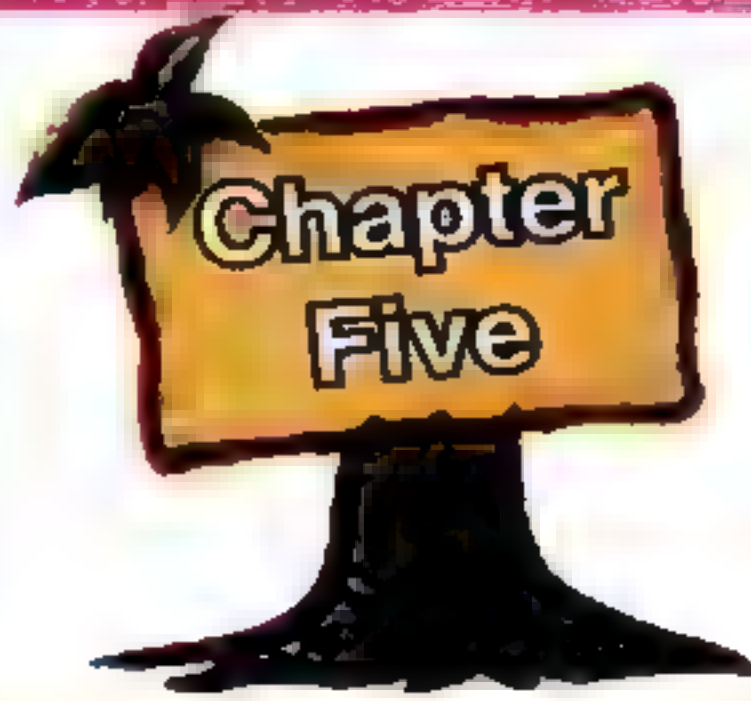


The animal

Bakkar Series

135





## Geometry

لا تنس الاشتراك في  
قنوات ذاكرولي  
على تطبيق التليجرام



### Key Vocabulary

Centimetres	سنتيمترات	Property	خواص
Cube	مكعب	Quadrilateral	رباعي
Cylinder	أسطوانة	Rectangle	مستطيل
Determine	حدد	Rhombus	معين
Dice	حجر نرد	Ruler	مسطرة
Edges	حواف	Share	يشارك
Estimate	تقدير	Side	ضلع / جانب
Estimation	التقدير	Sides	أضلاع / جوانب
Faces	أوجه	Square	مربع
Figure	شكل	Square based Pyramid	هرم ذو قاعدة مربعة
Hexagon	شكل سداسي	Standard unit of Measure	وحدة قياسية
Length	الطول	Trapezium	شبه منحرف
Measure	قياس	Triangle	مثلث
Meter	متر	Two Dimensional Shapes	شكل ثنائي الأبعاد
Parallel	موازي	Vertex	رأس
Pentagon	شكل خماسي	Vertices	رؤوس
Polygon	مضلع		

Bakkar  
Self-Check  
On each  
Chapter

### Content

Bakkar  
Self-Check  
On each  
lesson

Exercise  
inspired by  
Math Journal

Exercise  
inspired by  
Discover Book



## Lesson

( 41 , 42 )

## Polygons ( 2 D shapes )

Activity



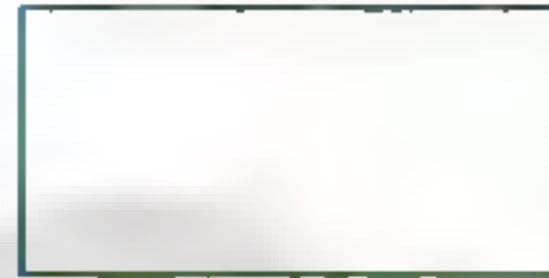
Notice the following polygons :



(Figure 1)



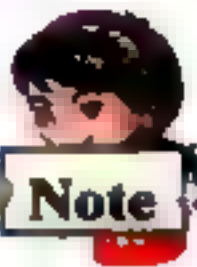
(Figure 2)



(Figure 3)



(Figure 4)



Note

\* From the figure :

- ( Figure 1 ) triangle : 3 sides , 3 vertices .
- ( Figure 2 ) quadrilateral : 4 sides , 4 vertices.
- ( Figure 3 ) quadrilateral : 4 sides , 4 vertices .
- ( Figure 4 ) circle has : no sides , no vertices .

Exercise

1

From the following polygons complete :



(Figure 1)



(Figure 2)


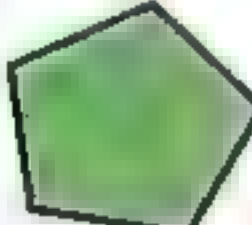
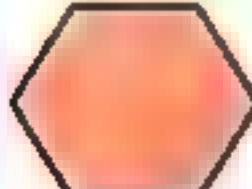
- \* (Figure 1) Number of sides = ..... , number of vertices .....
- \* (Figure 2) Number of sides = ..... , number of vertices .....

Bakkar Series

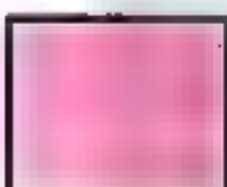
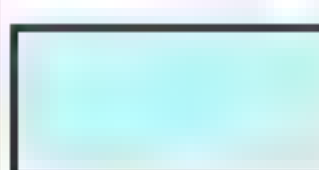
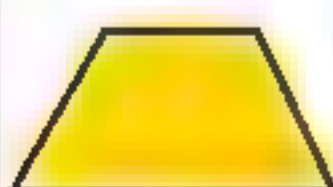
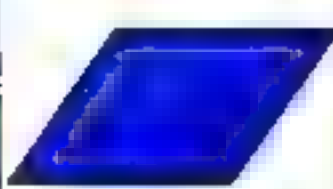




## Activity 2 Study the properties of 2 dimensions :

Figure	Name	The property		
		Number of sides	Number of ( Vertices )	Number of ( Angles , corners )
	Triangle	3	3	3
	Pentagon	5	5	5
	Hexagon	6	6	6

## Activity 3 Quadrilateral ( 2 dimension ) :

Figure	Name	The property			
		Sides	Number of sides	Number of ( vertices )	Number of ( Angles , corners )
	Square	Equal in length	4	4	4
	Rectangle	2 short and 2 long	4	4	4
	Trapezium	2 parallel & 2 not parallel	4	4	4
	Rhombus	Equal in length	4	4	4



## Chapter 5

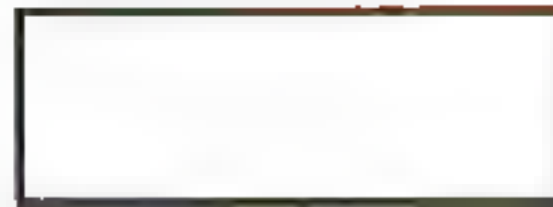
## Exercise 2 Join :

Triangle



4 sides

Rectangle



3 sides

Circle



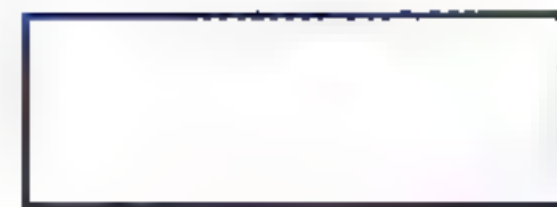
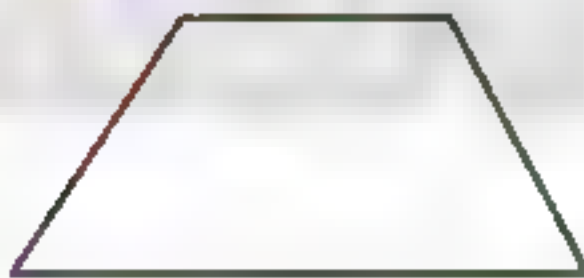
Zero sides

Pentagon



5 sides

## Exercise 3 Put (✓) inside each quadrilateral :



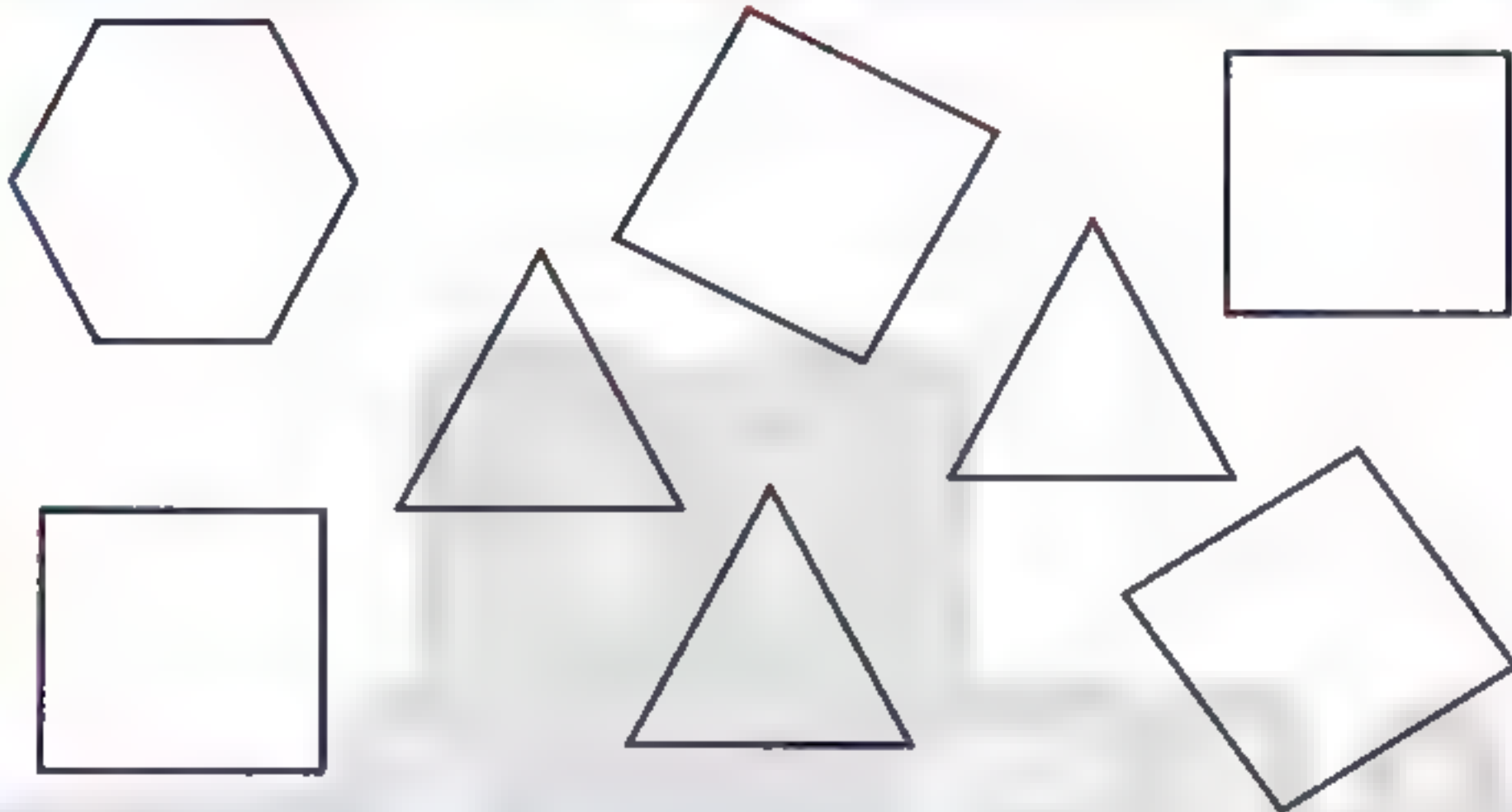
Bakkar Series

39

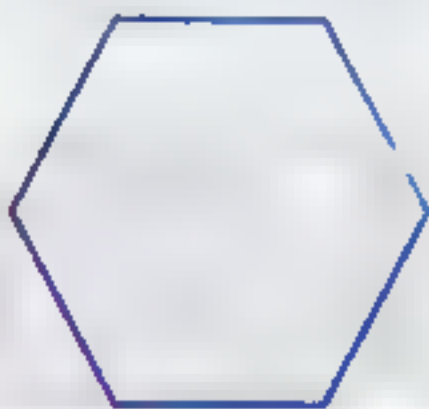


## Self - check on lesson ( 41, 42 )

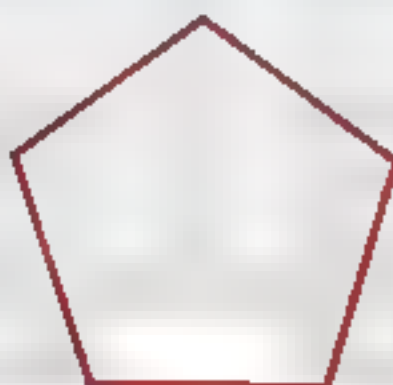
- 1 Colour 3 squares with red , 2 triangles with green :



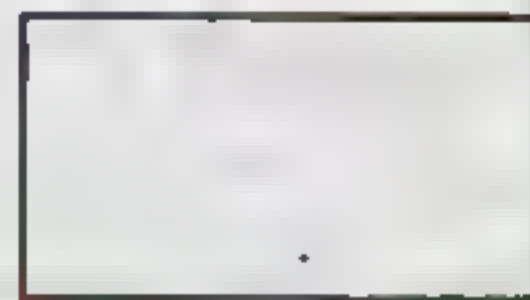
- 2 Look and complete the table :



( Figure 1 )



( Figure 2 )



( Figure 3 )

(Figure)	Figure (1)	Figure (2)	Figure (3)
Number of sides	.....	.....	.....
Number of vertices	.....	.....	.....



## Chapter 5

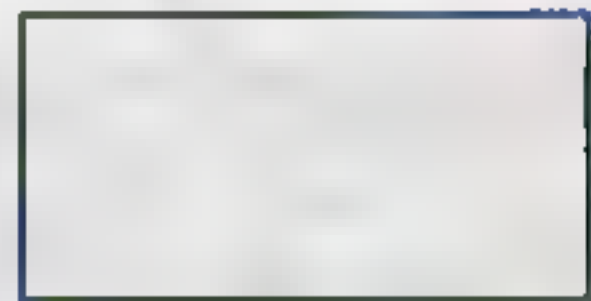
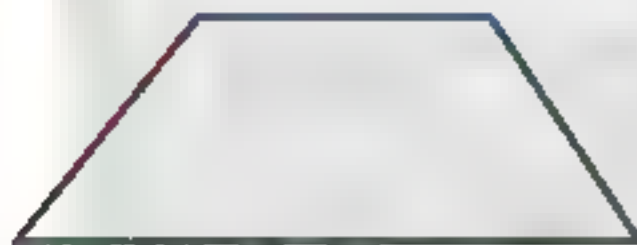
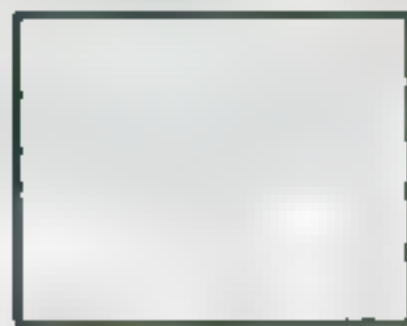
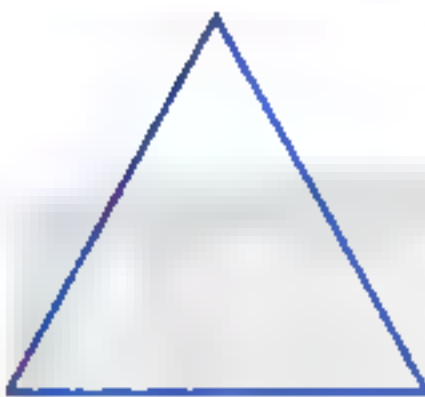
3 Complete using ( $<$ ,  $>$  or  $=$ ) :

a Number of sides of  ..... number of sides of 

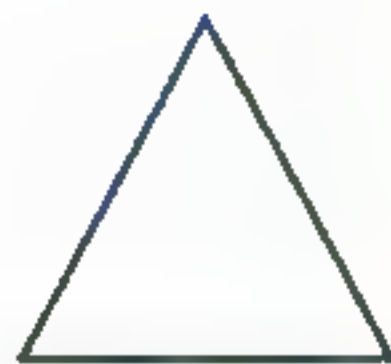
b Number of sides of  ..... number of sides of 

c Number of sides of  ..... number of sides of 

4 Circle the figures that has more than 4 sides :



5 Write the number of vertices :



Bakkar Series

4

هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى



## Lesson

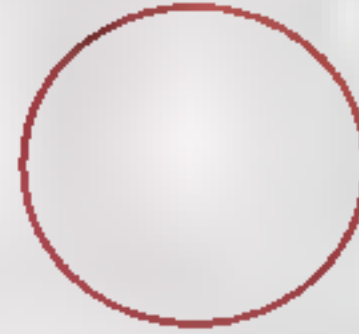
( 43 , 44 )

Rebuild the shapes to form another shapes

Activity

1

From the figures complete who I'm ?



- a I'm 2D shape has 4 equal sides .  
I'm : .....
- b I'm 2D shape with 3 vertices .  
I'm : .....
- c I'm 2D shape with 6 sides , 6 vertices .  
I'm : .....
- d I'm 2D shape with 2 short side and 2 long side  
I'm : .....
- e I'm 2D shape have no sides , no vertices .  
I'm : .....

تابع جديد ذاكرولي على  
فيسبوك  
تويتر  
والس اب  
تليجرام

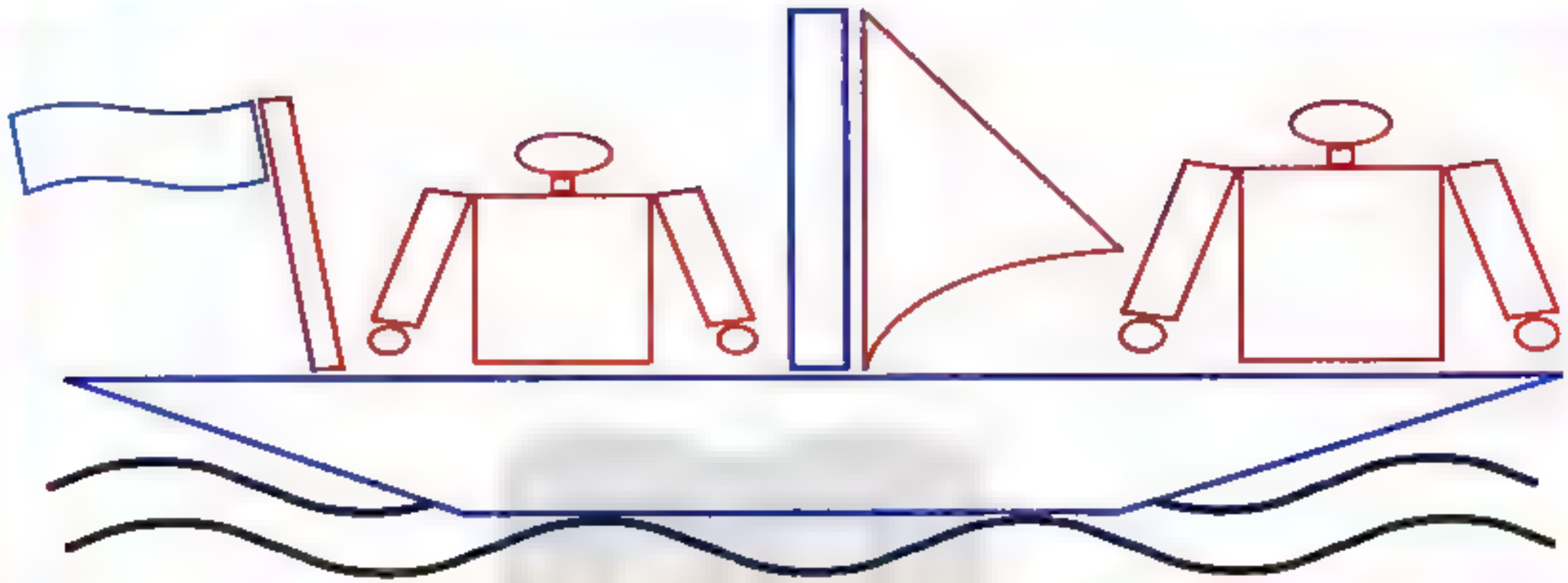


## Chapter 5

Activity

2

Colour the quadrilateral with red and the circle with blue :



Activity

3

Use the triangles to form a trapezium ( trapezoid ):



Exercise



Rebuild the figures in (1) to form the figure in(2) :

Figures (1)	Figure (2)
	Rectangle
	Hexagon

Bakkar Series

43



## Self - check on lesson ( 43, 44 )

- 1 Write the number on each photo to form the picture :



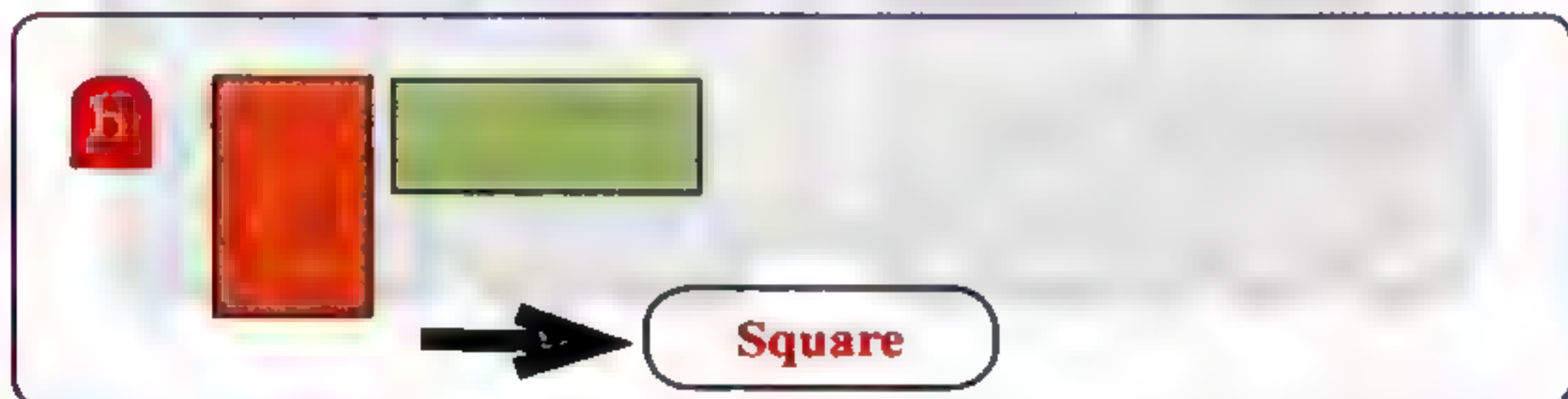
- 2 Who am I ?

- a I'm 2D shape with 5 sides . I'm : .....
- b I'm 2D shape with 3 vertices . I'm : .....
- c I'm 2D shape has no sides no vertices . I'm : .....



## Chapter 5

3 Use the following shapes to create 2D shapes :



Bakkar Series

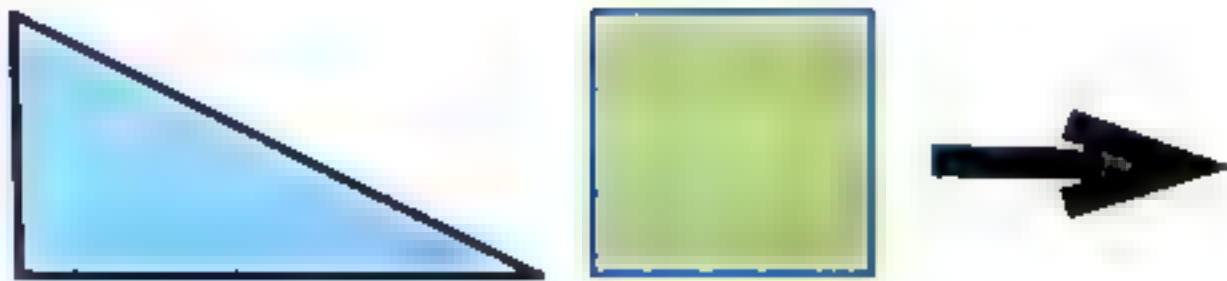
45



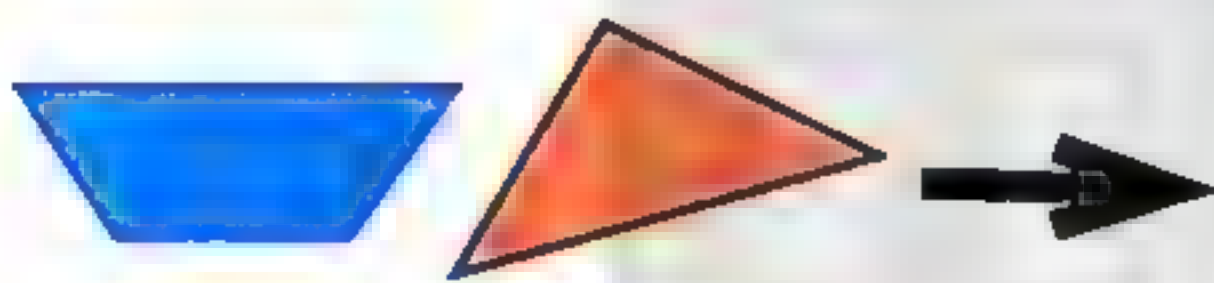
BAKKAR

## Geometry

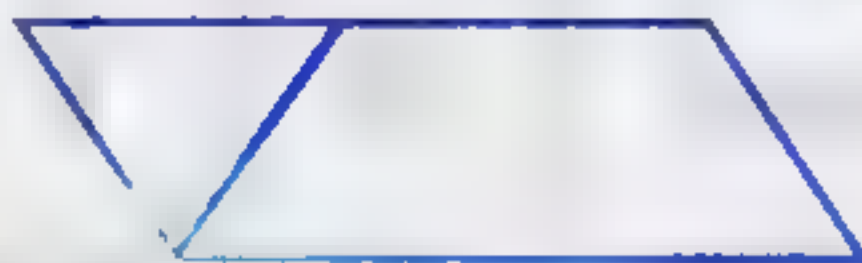
- 4 Use the following shapes to form trapezium :



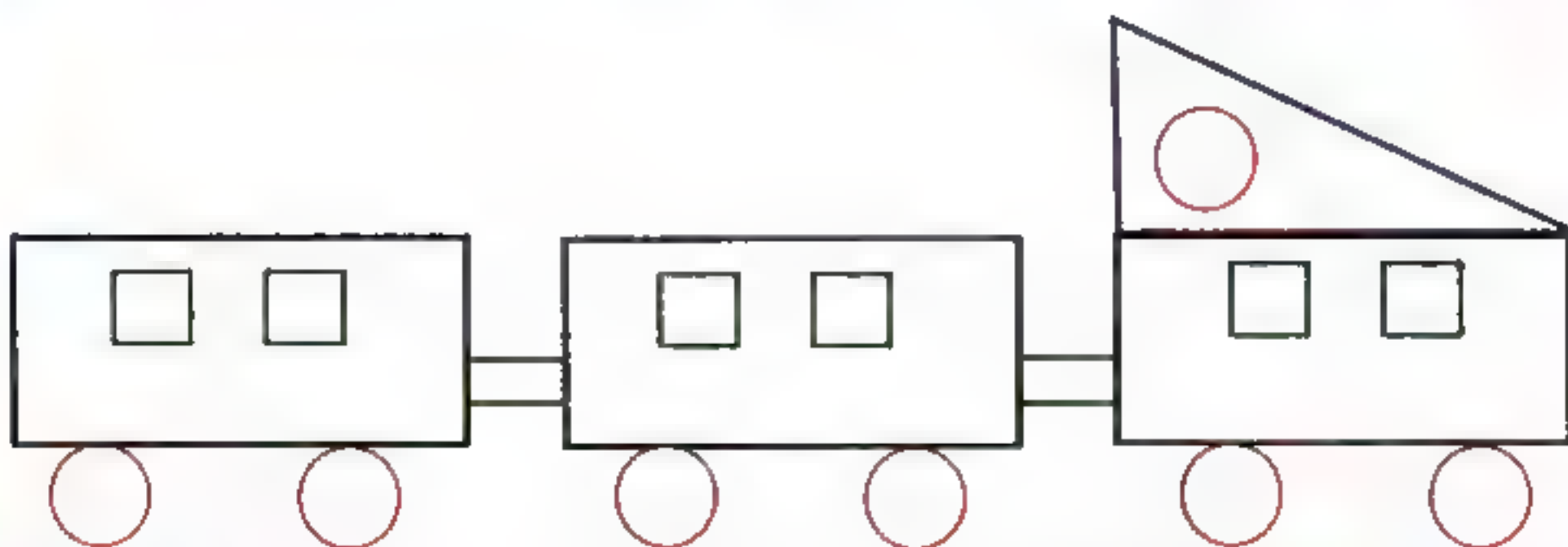
- 5 Use the following shapes to form pentagon :



- 6 Colour the trapezium with red :



- 7 Colour the rectangles with blue , the squares with green and the circles with red :





## Lesson

( 45 , 46 )

## Measuring length ( m , cm )

First : the centimetre (cm)

Activity 1 Using centimetre as a unit for measuring length :



Note

## Ruler



Exercise

1

Use the ruler to measure the length of each of the following object :

The length of the pencil = 7 cm



The length of the book = 11 cm



The length of the girl = 120 cm

Bakkar Series



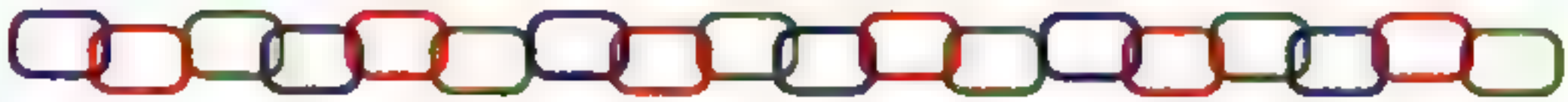
BAKKAR

## Geometry

Activity

2

Using ruler to find the length of the following :



Cm ( ..... )



Cm ( ..... )



Cm ( ..... )

Exercise

2

Choose the suitable length in cm as Ex :

Ex



( 300 , 200 , 20 )



( 50 , 15 , 150 )



( 300 , 25 , 100 )

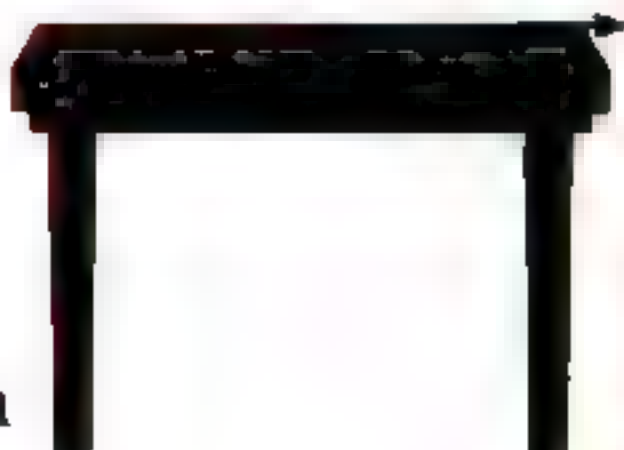


( 300 , 200 , 20 )

Exercise

3

From your home find the length of the following :



( ..... ) cm



( ..... ) cm

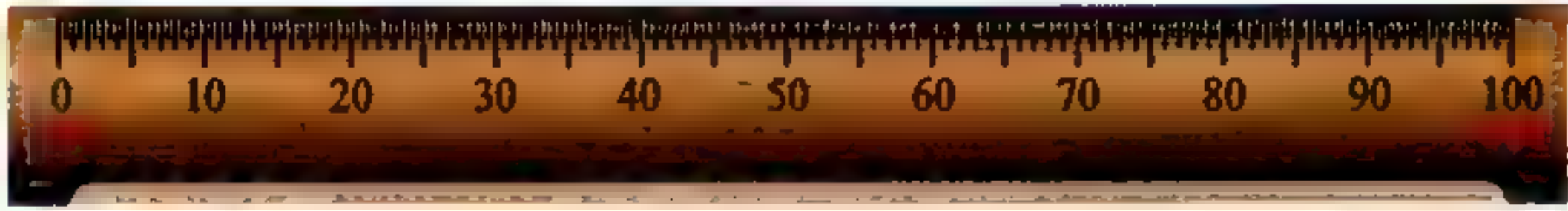
148

Primary 2 - Term 1



## Chapter 5

## Second : The metre (m)



This instrument is called ruler it's length 1 metre

1 metre = 100 centimetre , [ 1 m = 100 cm ]



From your class answer the following :

**Exercise 4** Estimate the suitable length in m :

- |                                   |                   |
|-----------------------------------|-------------------|
| (a) Height of the classroom       | ( 12 , 7 , 3 )    |
| (b) Height of chair               | ( 5 , 1 , 3 )     |
| (c) The width of the window       | ( 15 , 10 , 2 )   |
| (d) The length of the board       | ( 20 , 5 , 30 )   |
| (e) The length of the play ground | ( 10 , 30 , 100 ) |

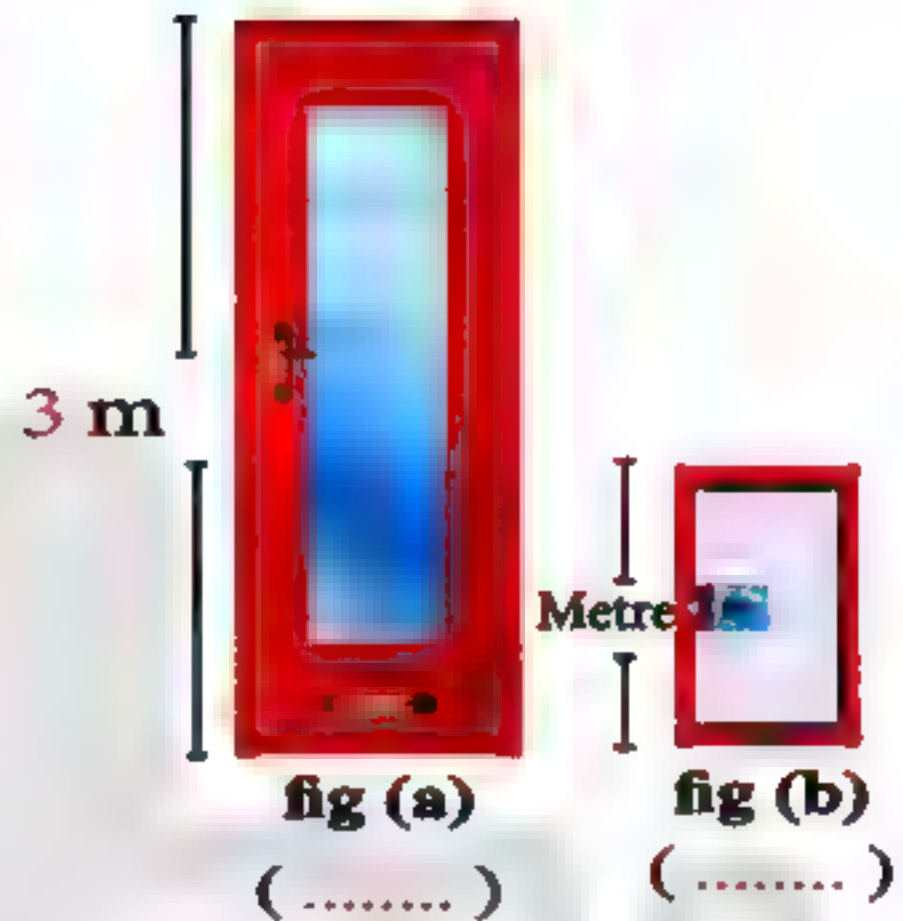
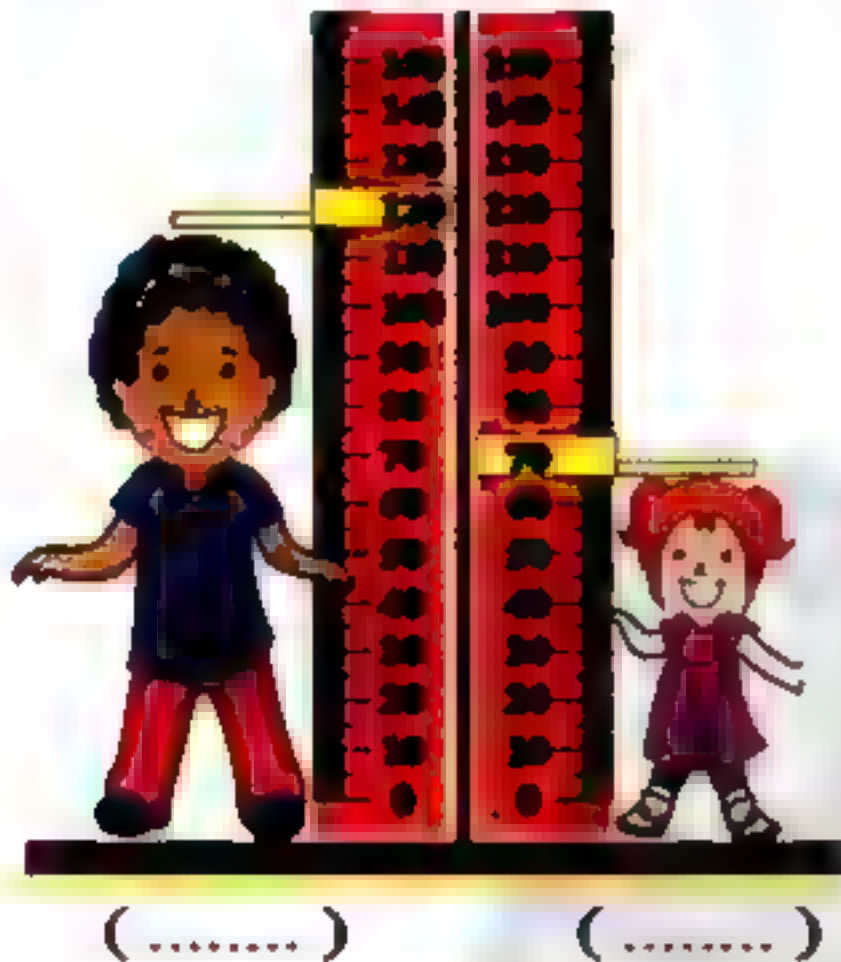
**Bakkar Series**

149

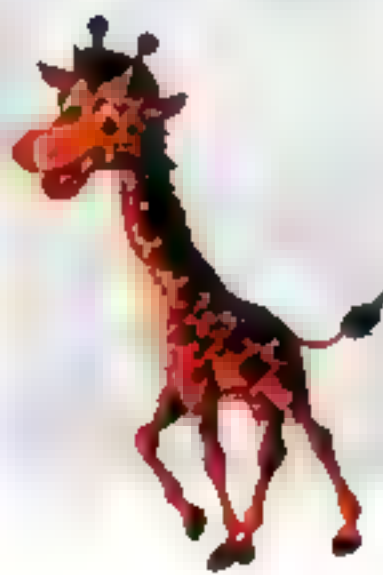


## Self - check on lesson ( 45, 46 )

1 Put ( ✓ ) under the longer :



2 Join with the suitable unit to measure the length of the following :



CM

M

3 Determine the length of the figure as Ex :

Ex



( 50 ) cm

a



( ..... ) cm

b



( ..... ) cm



## Chapter 5

4 Using the ruler to find the length of the following :

\_\_\_\_\_ ( ..... cm )

\_\_\_\_\_ ( ..... cm )

\_\_\_\_\_ ( ..... cm )

5 Choose the suitable length in ( cm ) :

a The length of the glass ... ( 15 , 150 , 750 )



b The length of the spoon ..... ( 240 , 100 , 15 )



c The length of the bottle ..... ( 250 , 150 , 20 )



6 Answer the following :

In the game disk Omar throw a length of 4 m ,

Ali throw length of 3 m ,

Who is win ? What is the difference between the two lengths ?



Solution : The winner .....

The difference = ..... - ..... = ..... m

7 Answer the following :

Two pieces of cloth of length 7 m and 4 m , find the total length of the two pieces .

Solution : the total length = ..... + ..... = ..... m



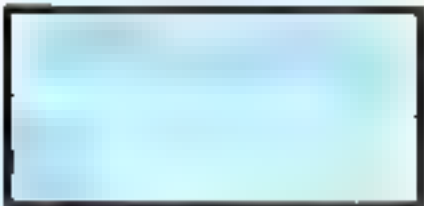

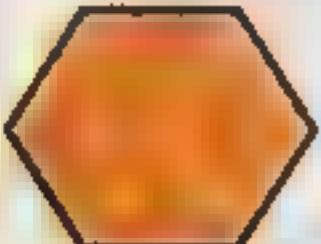
Bakkar Series






## General Self - check

1 Complete the following table :

Figure	Name	The property	
		Number of sides	Number of vertices
			
			
			
	Trapezium	4	4
			

2 Determine the length of the following :

a  (.....)

b  (.....)



## Chapter 5

3 Who am I ?

a A two dimensional shape with 5 vertices .

I'm : .....

b A two dimensional shape has 3 side .

I'm : .....

c Quadrilateral not a square and not rectangle .

I'm : .....

d A two dimensional shape has no side and no vertices .

I'm : .....

e Has 4 vertices and 2 long side, 2 short side .

I'm : .....

4 Choose the suitable length in cm :

a The length of the pencil  ( 300 , 10 , 50 )

b The length of the key  ( 150 , 75 , 5 )

c The length of the mobile  ( 50 , 20 , 100 )

d The length of the nail  ( 4 , 100 , 400 )

e The length of the rule  ( 200 , 500 , 20 )

Bakkar Series

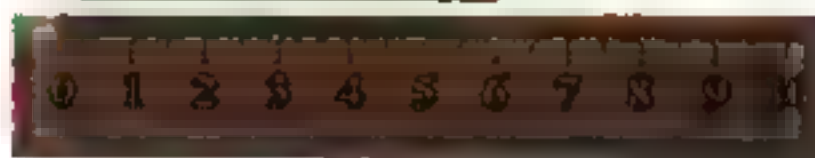
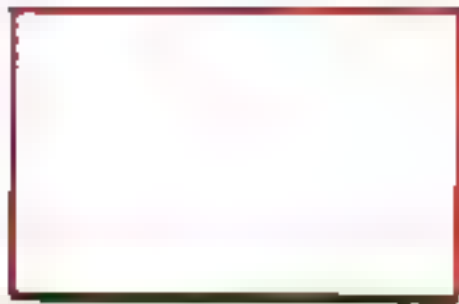
53



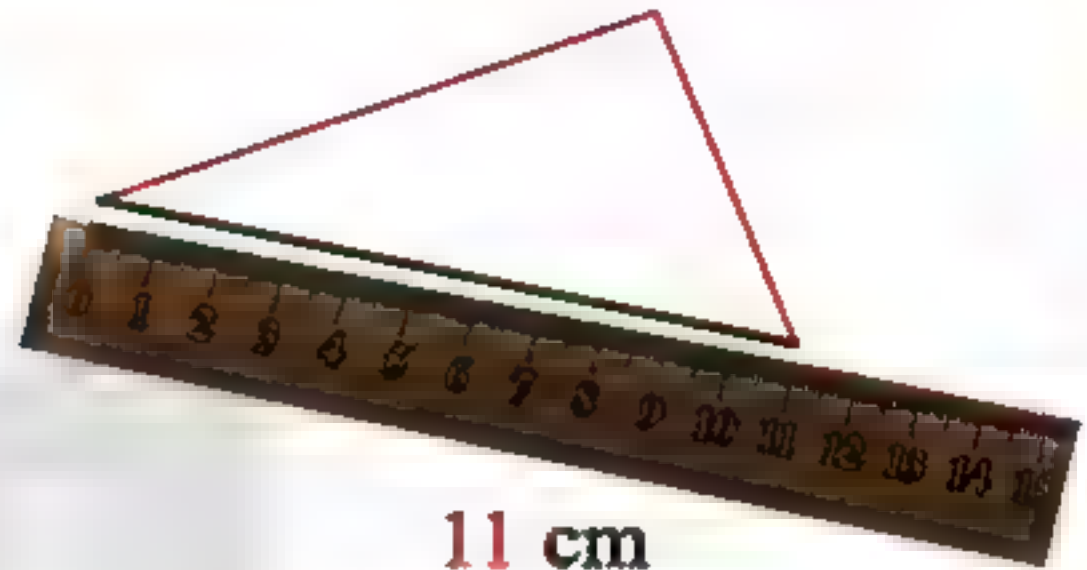
## Lesson

( 47 )

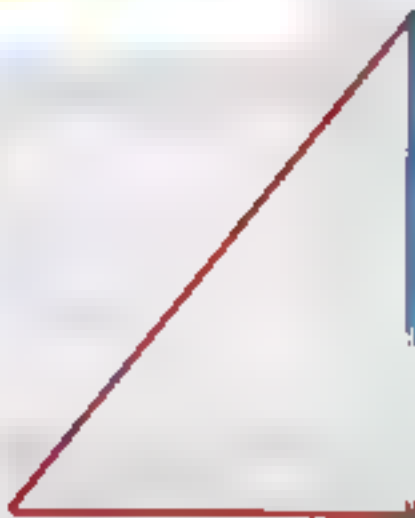
## Measuring lengths of sides of 2D

Activity  Measure the length of the green side : ( using ruler )

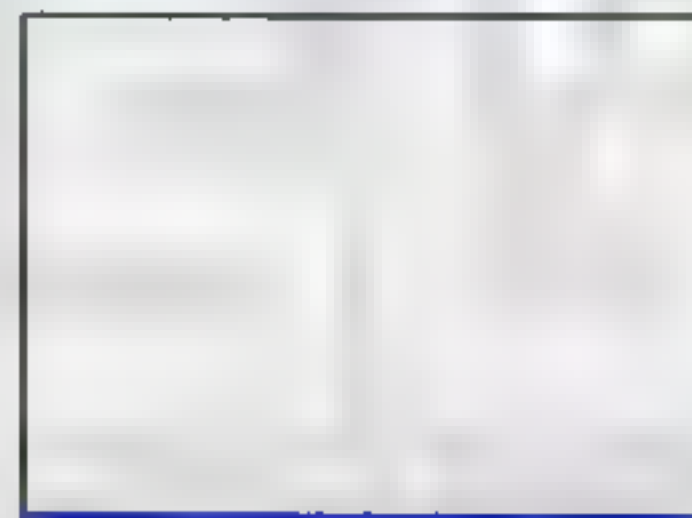
6 cm



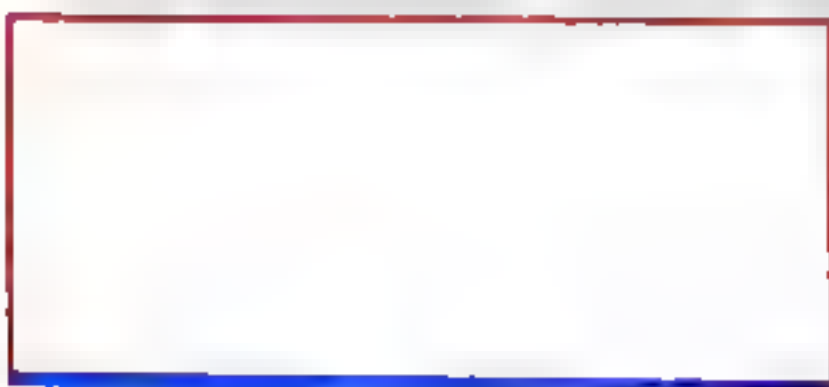
11 cm

Exercise **1** Measure the length of the blue side using ruler :

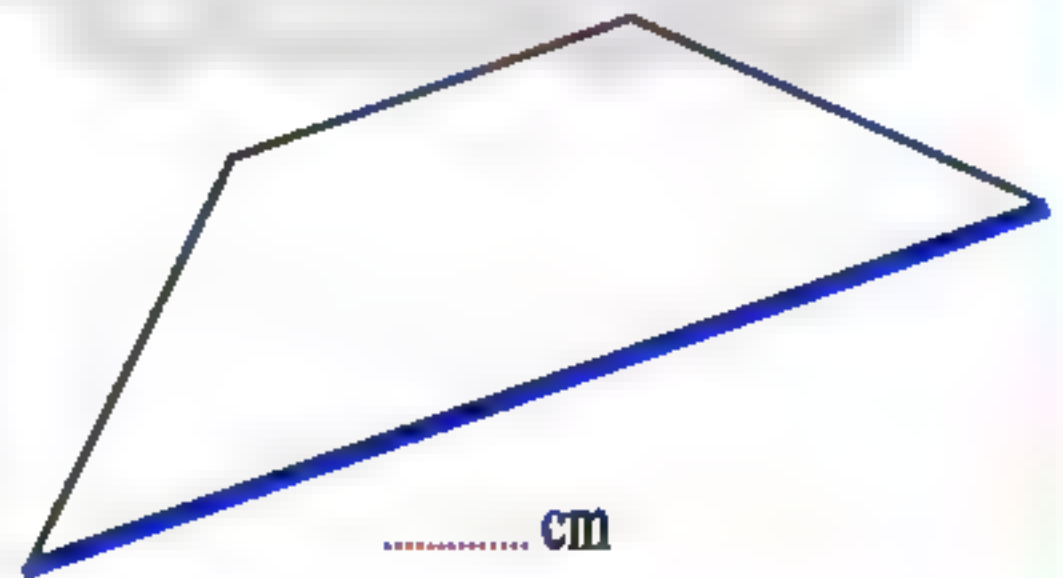
..... cm



..... cm



..... cm



..... cm



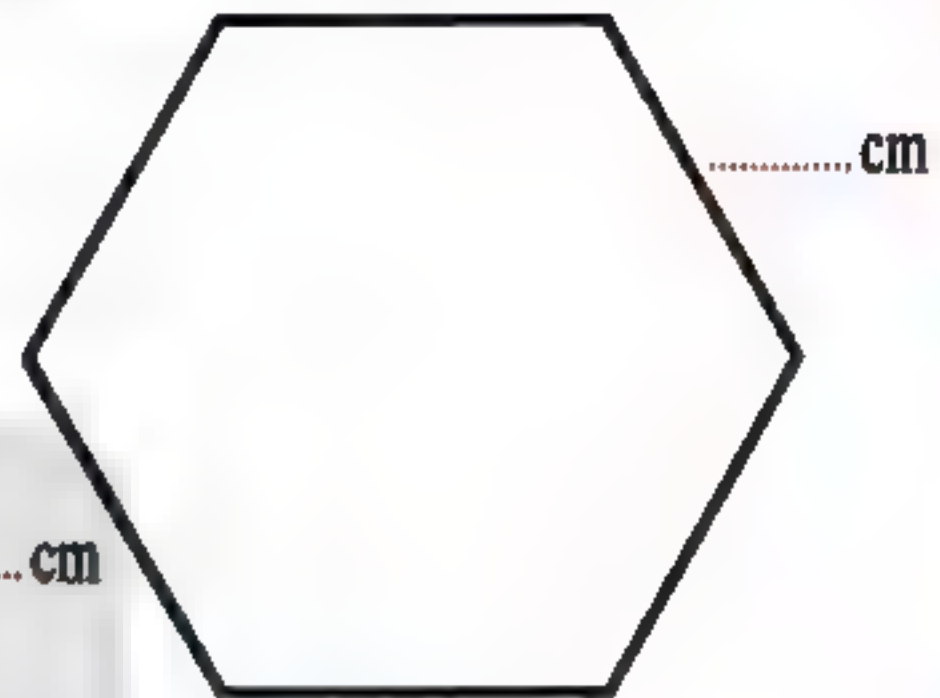
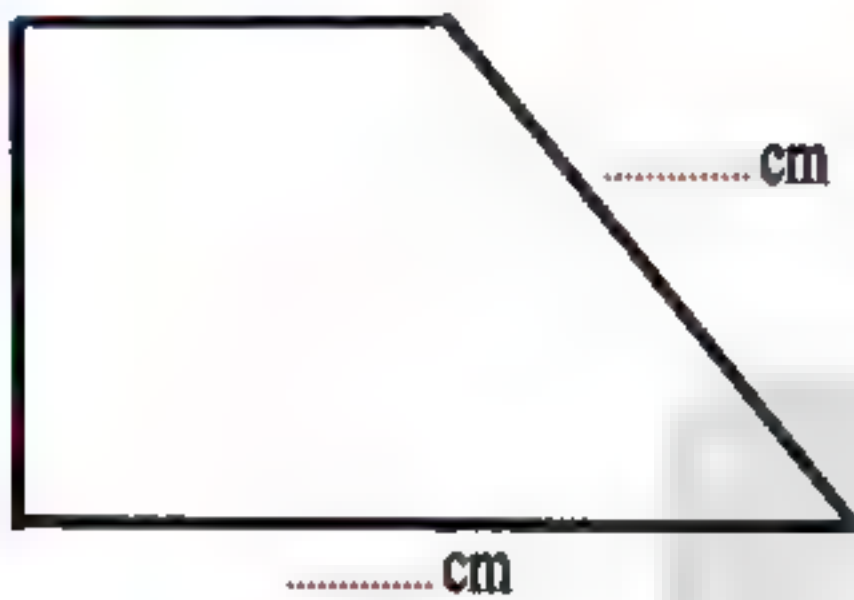
Remember

The two dimensions shapes is surface have only **two** dimensions

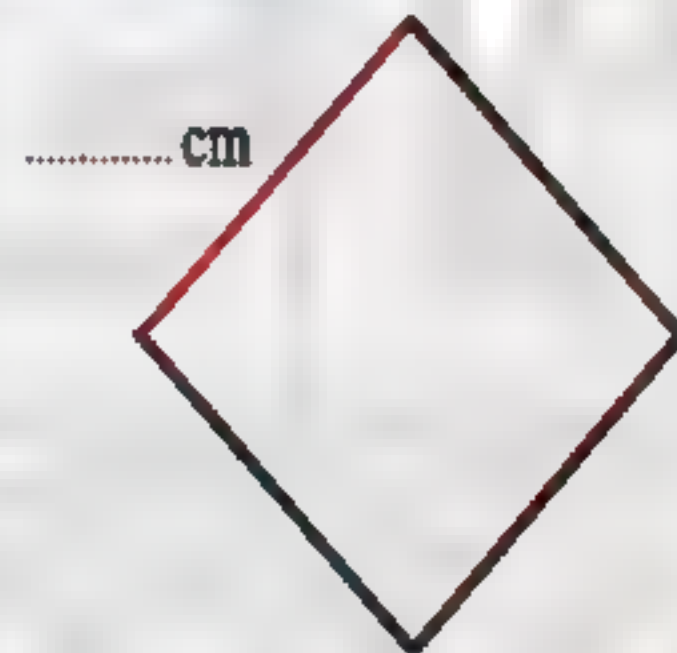


## Self - check on lesson ( 47 )

1 Measure the required sides using ruler :



2 Measure the required sides using ruler :



3 Using ruler measure the length of the following :

a  ( ..... ) cm

b  ( ..... ) cm





c  ( ..... ) cm

Bakkar Series

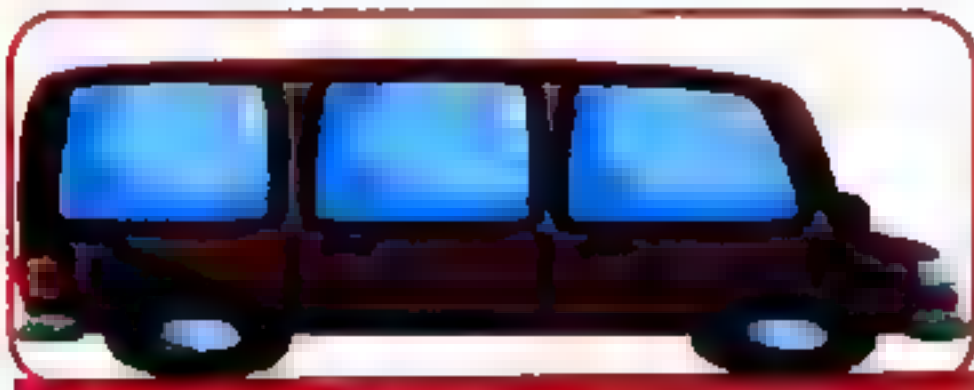
155



4 Find these things in your house, measure them, and complete the table :

Thing	The length
	.....
	.....
	.....
	.....

5 Measure the length of the following :



( ..... ) cm



( ..... ) cm



( ..... ) cm

Primary 2 - Term 1



## Lesson

( 48 , 49 )

## Solids ( 3D )

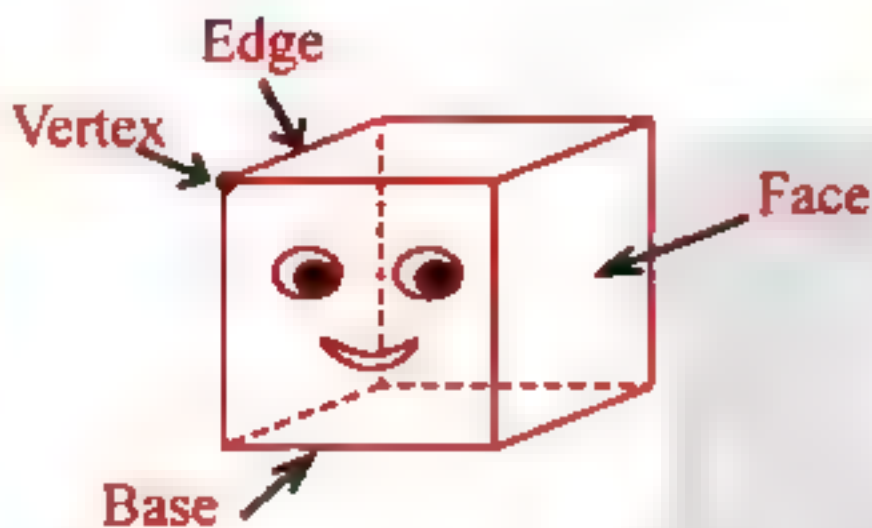
## The properties



تابع جديد زاكروولي على موقعنا

<https://www.zakrooly.com>

## Cube



It has :

- \* 6 faces each as a square
- \* 12 edges
- \* 8 vertices
- \* **Note :** each face as a base

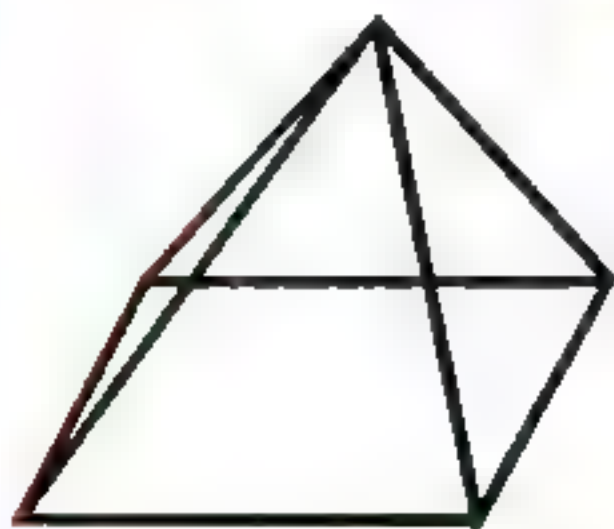
## Cuboid



It has :

- \* 6 faces each as a rectangle
- \* 12 edges
- \* 8 vertices
- \* **Note :** each face as a base

## Quadrilateral pyramids



It has :

- \* 5 faces ( 4 side faces and 1 base )
- \* 8 edges
- \* 5 vertices

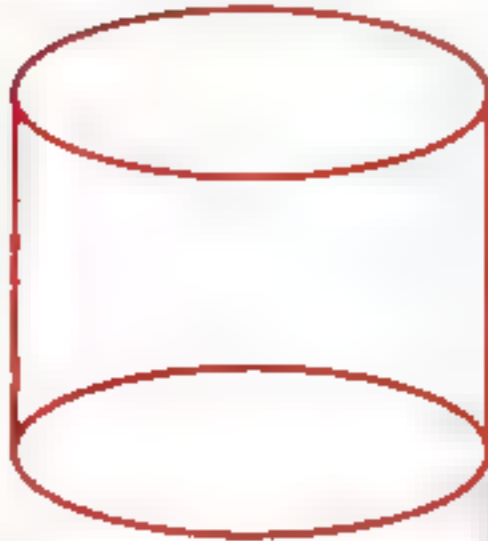
Bakkar Series





## Follow the properties of the solids

## Cylinder



It has : no side faces

- \* No edges
- \* No vertices
- \* 2 circular bases

## Cone



It has :

- \* 1 circular base
- \* 1 vertex
- \* No edges

## Sphere



It has :

- \* No faces
- \* No vertices
- \* No bases

## Notice :

The sphere : has no faces , edges vertices

The cylinder : has 2 circular bases but has no edges , no vertices

The cone : has no edges but has 1 vertex and 1 circular base .

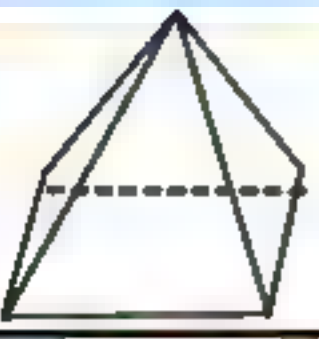
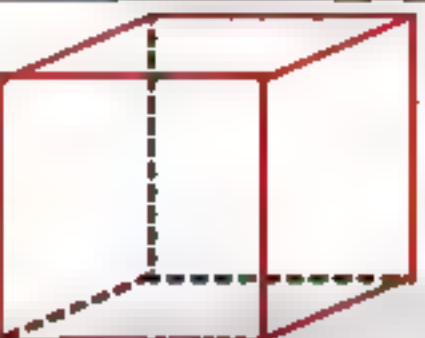
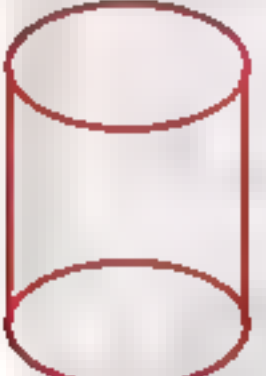





## Chapter 5



The (3 D) solids  
(Solids has 3 dimensions)

Exercise 1 Complete :

Solid	Name	Number of vertices	Number of edges	Number of faces
	.....	.....	.....	.....
	.....	.....	.....	.....
	.....	.....	.....	.....
	.....	.....	.....	.....
	.....	.....	.....	.....
	.....	.....	.....	.....

Bakkar Series

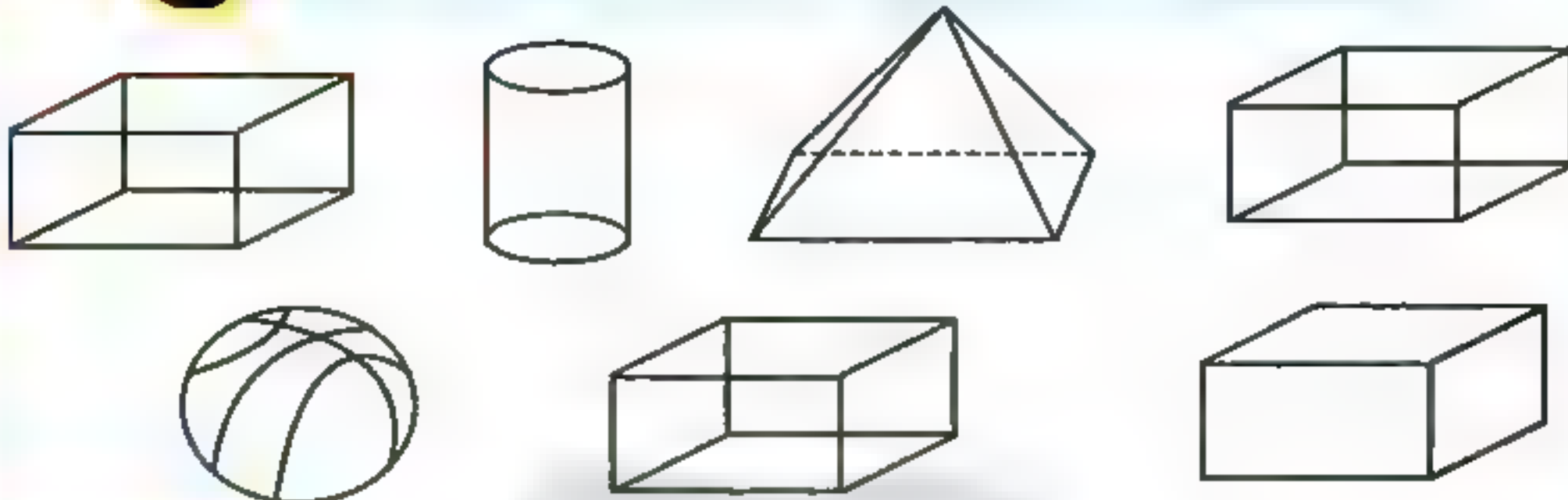
159



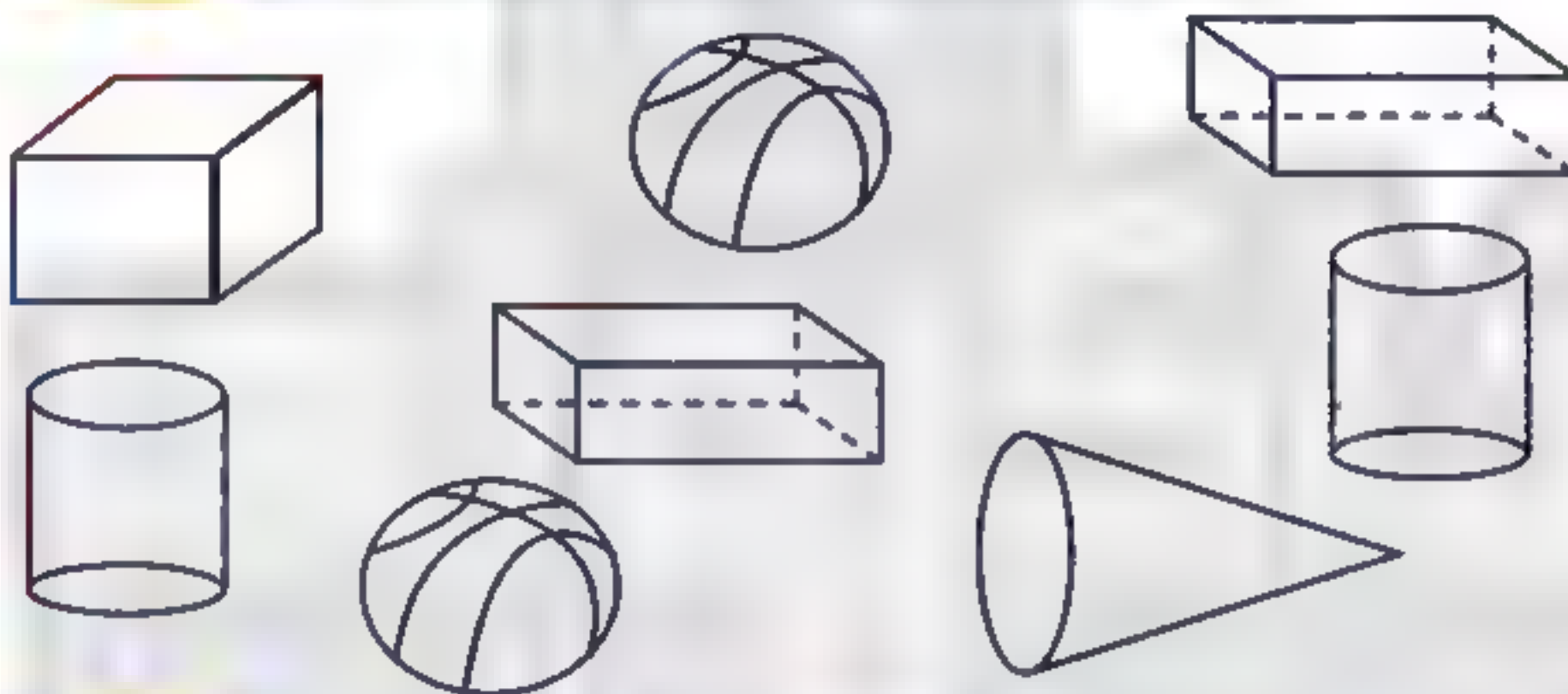
BAKKAR

## Geometry

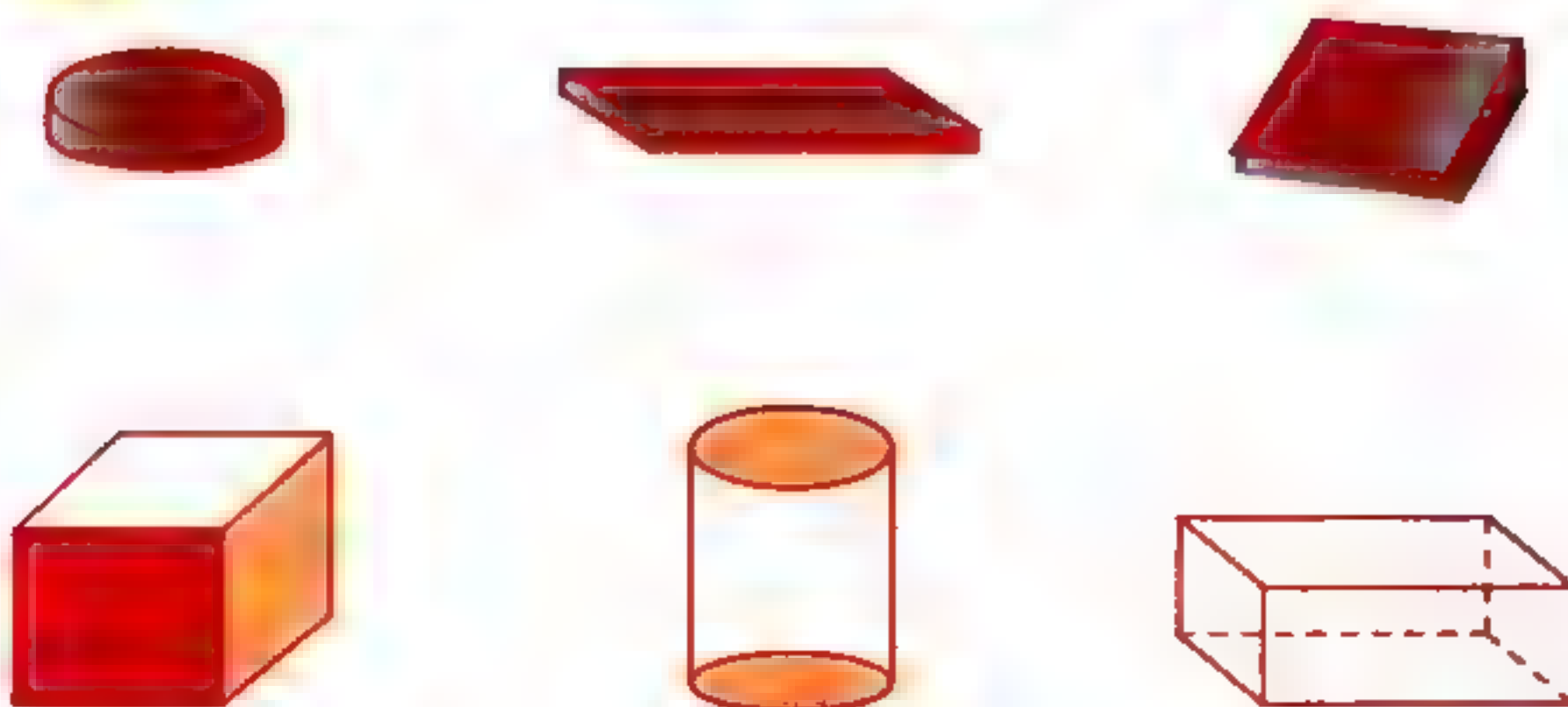
**Exercise 2** Colour the same solid with the same colour :



**Exercise 3** Colour the solid that can be rolled :



**Exercise 4** Join each base by it's solid :



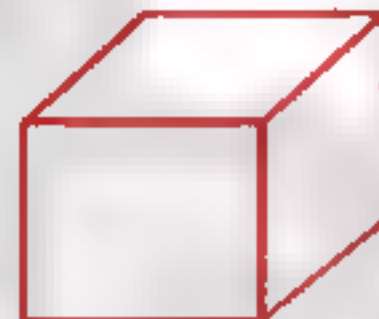
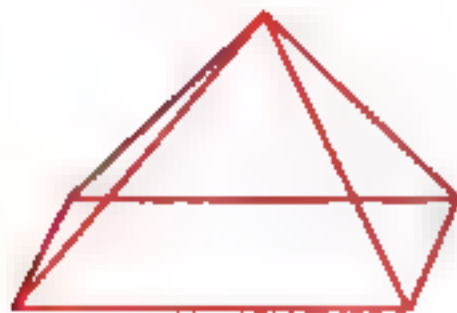


## Chapter 5

Exercise

5

Colour the cubes with red , the cylinders with blue , the pyramids with green .



Exercise

6

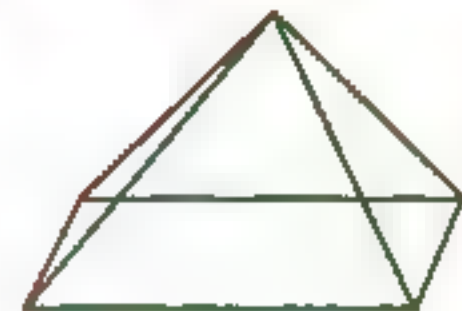
Join :



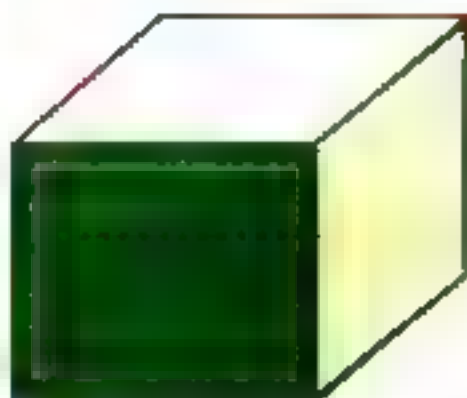
Pyramid



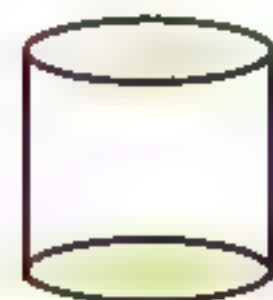
Sphere



Cube



Cylinder



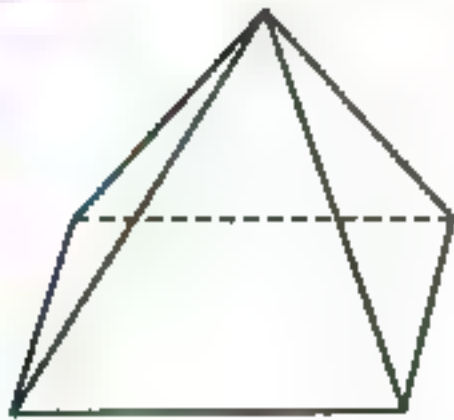
Bakkar Series





## Self - check on lesson ( 48 , 49 )

1 Write the name of the following :



.....



.....



.....

2 Complete :

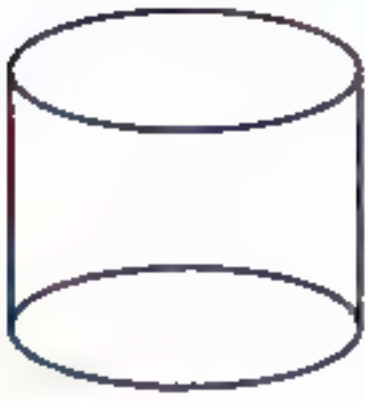
- a I'm a 2 dimensional shape has 3 sides . ( ..... )
- b I'm a solid all my faces as a rectangles . ( ..... )
- c I'm a solid has 2 circular bases . ( ..... )
- d I'm a 2 dimensional shape has no sides , no vertices ( ..... )
- e I'm a solid has no vertices and no faces . ( ..... )
- f I'm a solid has all faces in form of a square ( ..... )
- g I'm a solid has only one circular base ( ..... )
- h I'm a shape my sides are equal ( ..... )

Primary 2 - Term 1

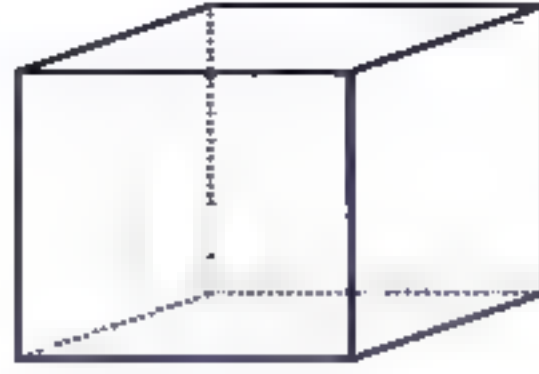


## Chapter 5

3 Put (✓) under the solid that has circular base :



( )

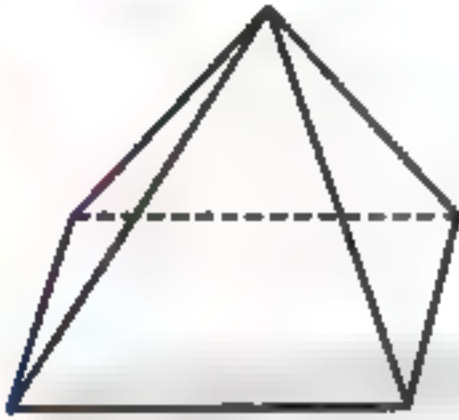


( )



( )

4 Write the number of faces in each solid :



.....

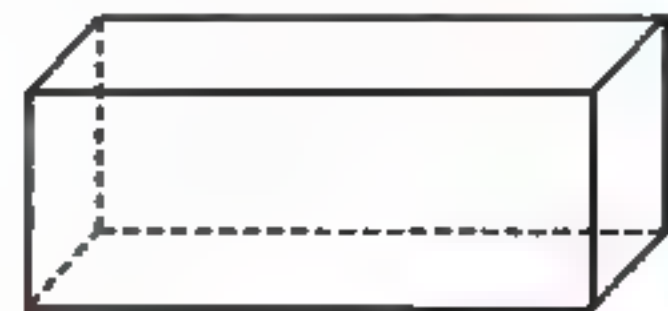
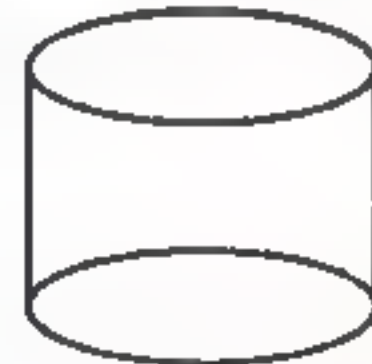
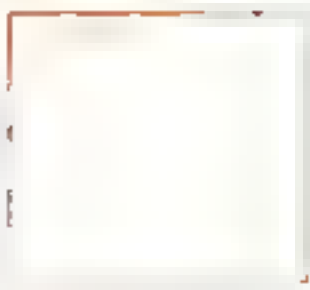
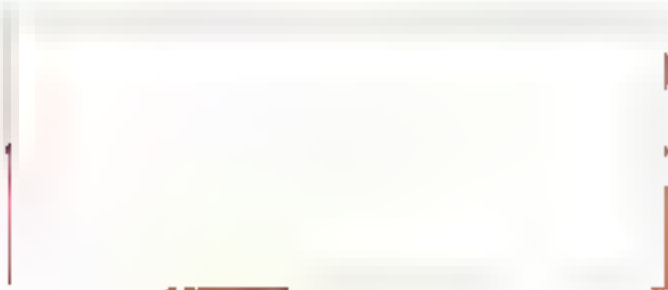


.....



.....

5 Join the solid with it's the suitable base :

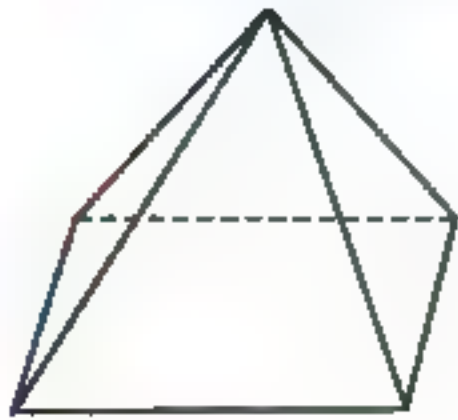


Bakkar Series

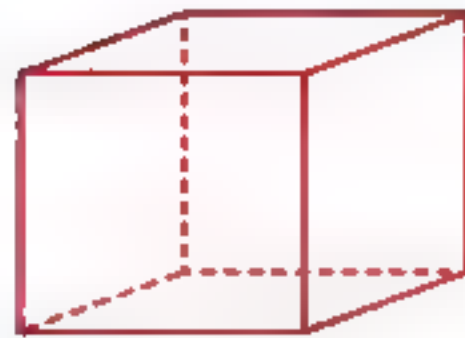
63



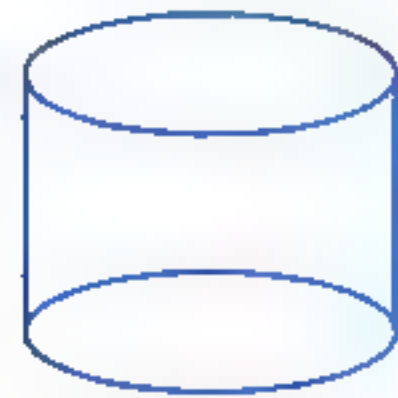
6 Write the number of vertices of each solid :



.....



.....



.....

7 Put (✓) under the similar solid :

	 (.....)	 (.....)	 (.....)
	 (.....)	 (.....)	 (.....)
	 (.....)	 (.....)	 (.....)
	 (.....)	 (.....)	 (.....)

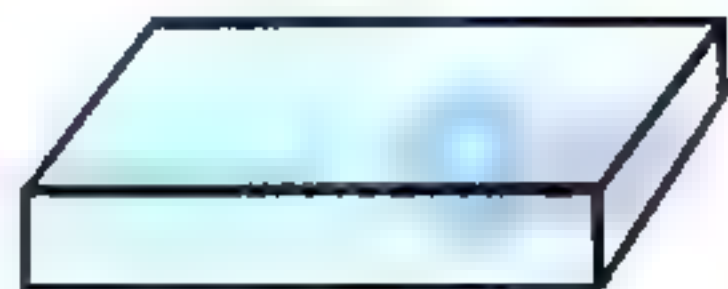


## Lesson

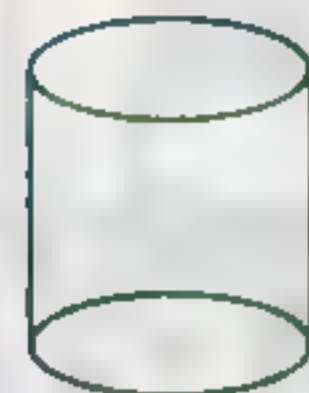
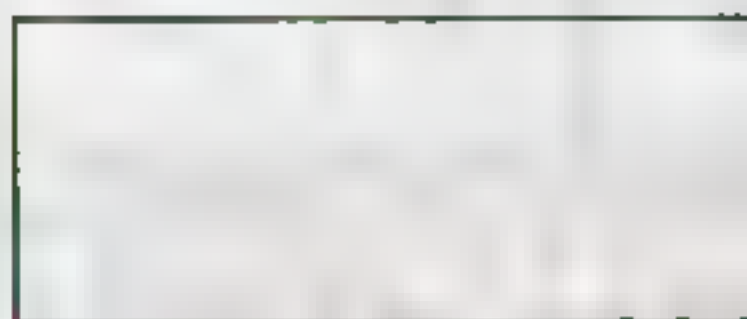
( 50 )

## Forming 3 dimensional solid

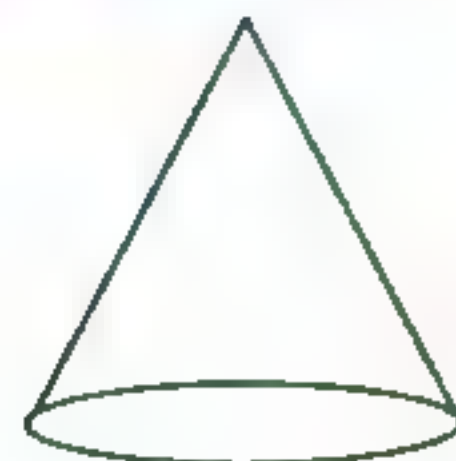
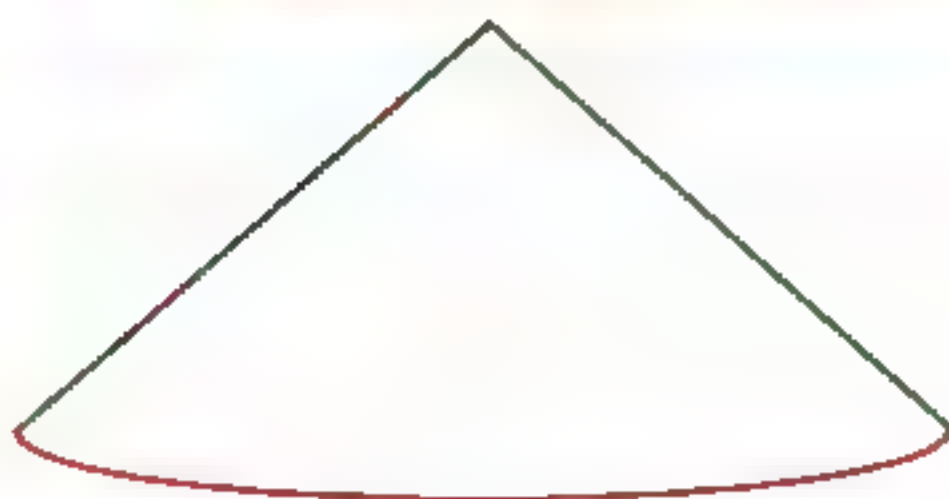
Activity 1 Forming a cuboid from a paperboard :



Activity 2 Forming a cylinder from a paperboard :



Activity 3 Forming a cone from a paperboard :

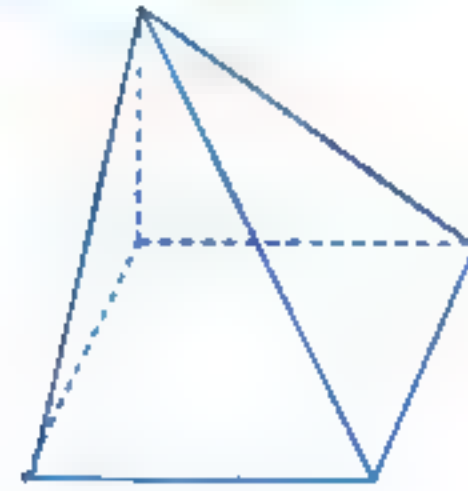
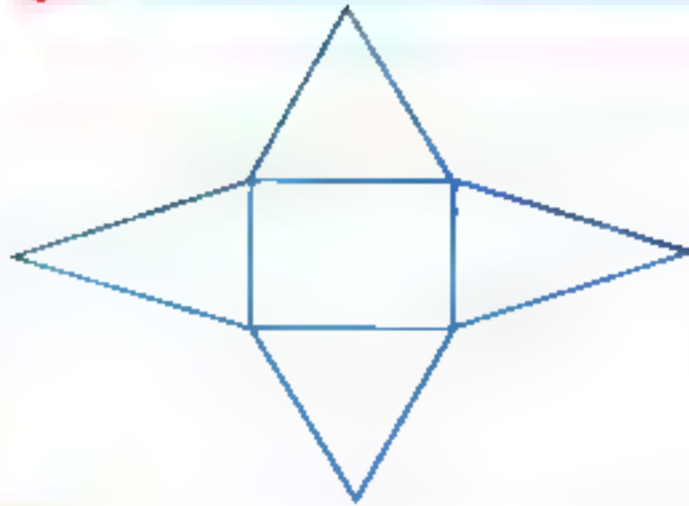


Bakkar Series

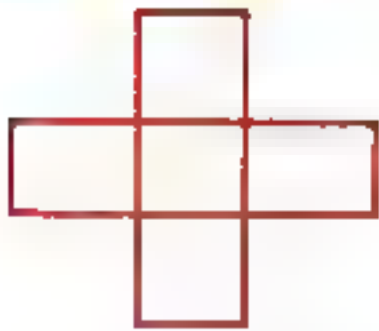
65



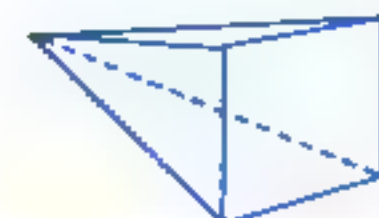
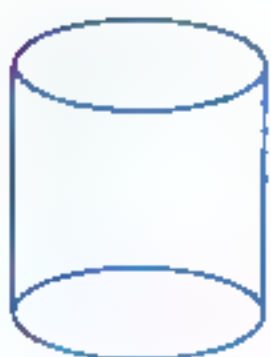
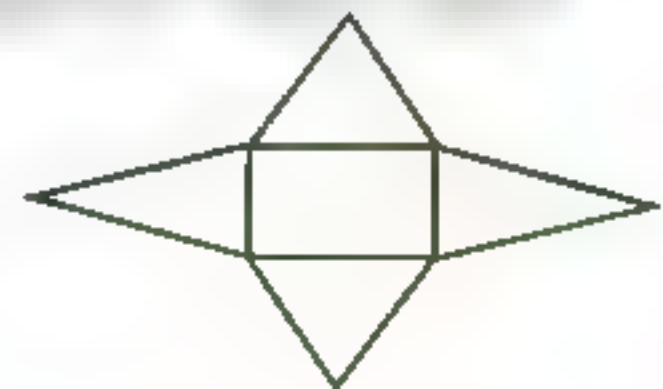
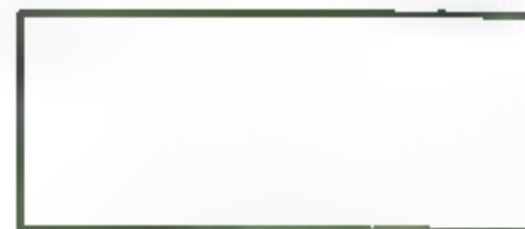
Activity 4 Forming a pyramid from a paperboard :



Exercise 1 Join each shape with the solid that can formed from it :



Exercise 2 Join each shape with the solid that can formed from it :

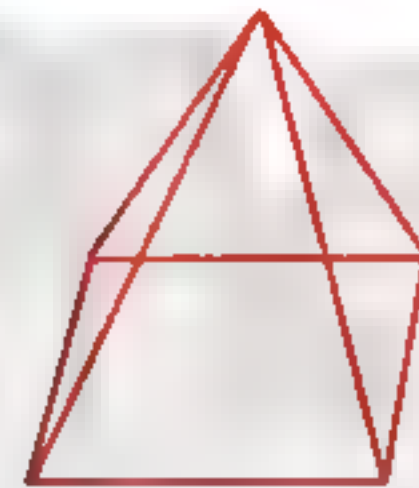
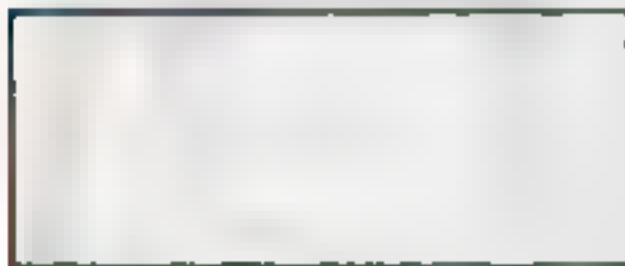
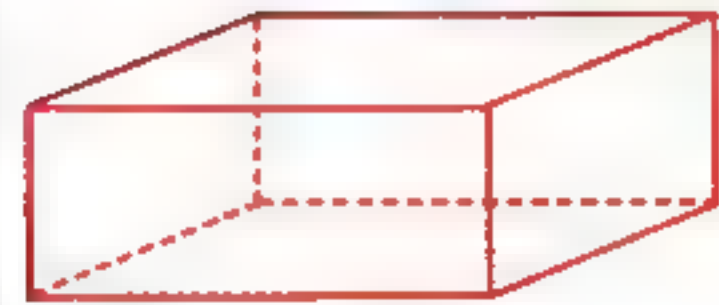
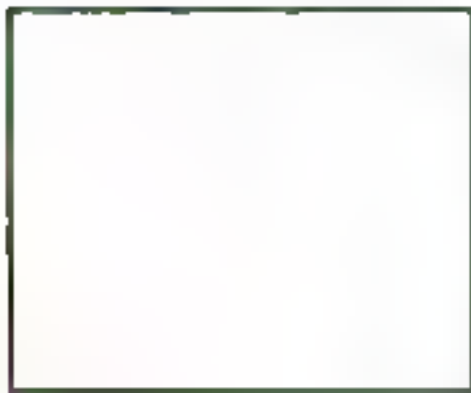


Primary 2 - Term 1

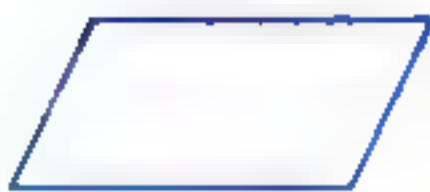
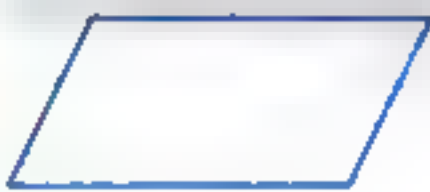


## Self - check on lesson (50)

1 Join each solid with it's suitable base :



2 Complete drawing the solid and write it's name :



.....



.....



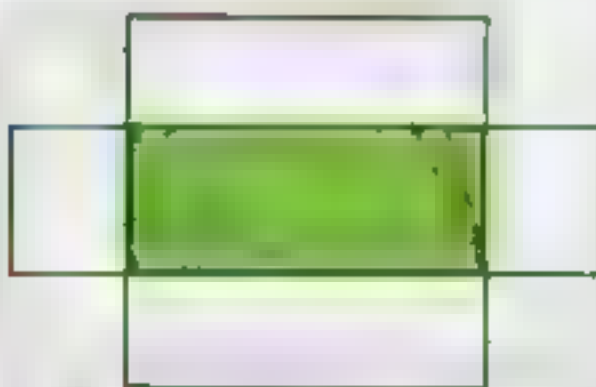
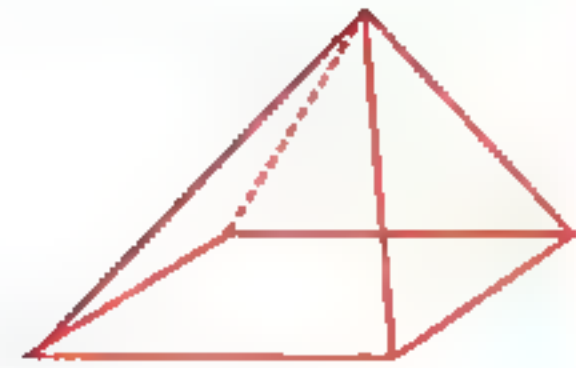
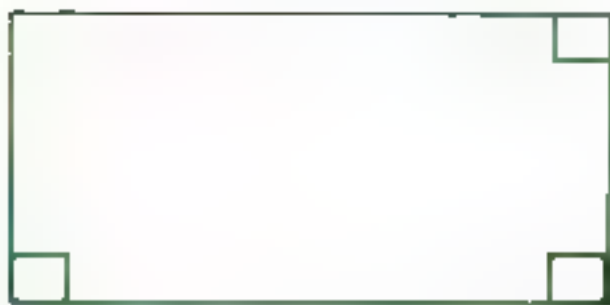
.....

Bakkar Series





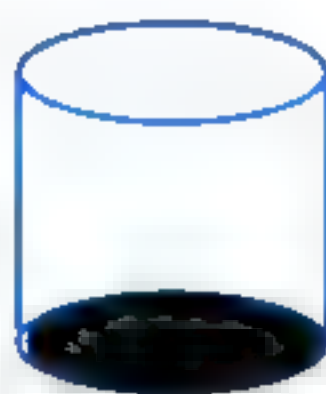
3 Join each shape with the solid which we can form :



4 Write the name of the colouring base :



( ..... )



( ..... )

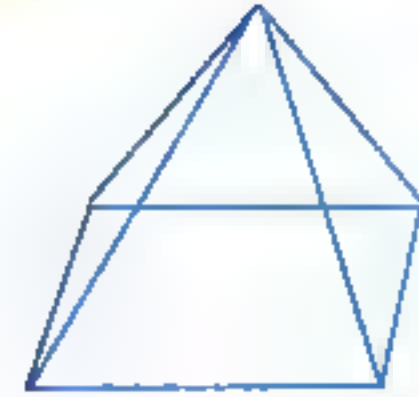
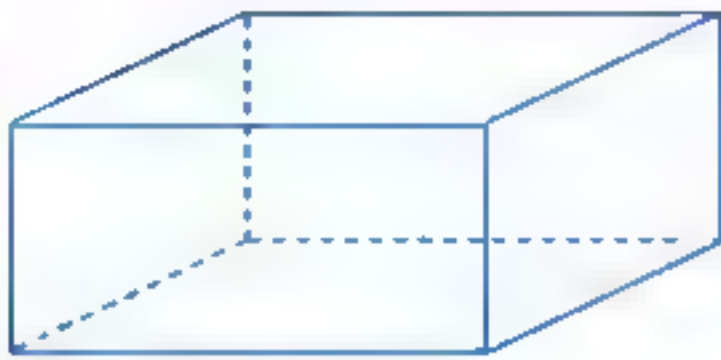


( Rectangle )



## Self - check 1 Chapter 5

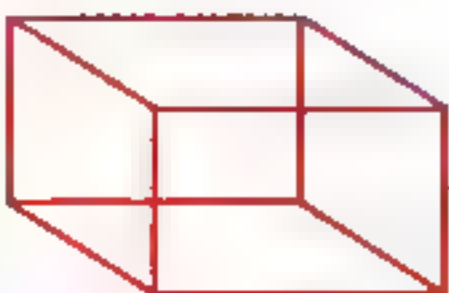
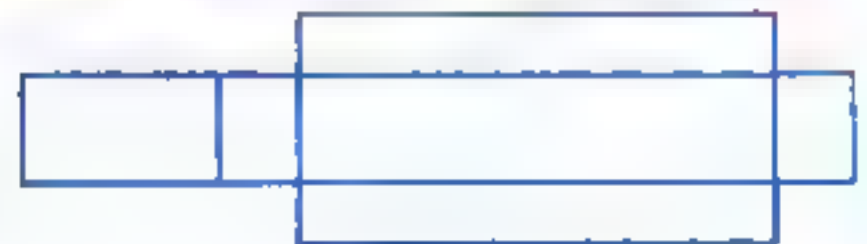
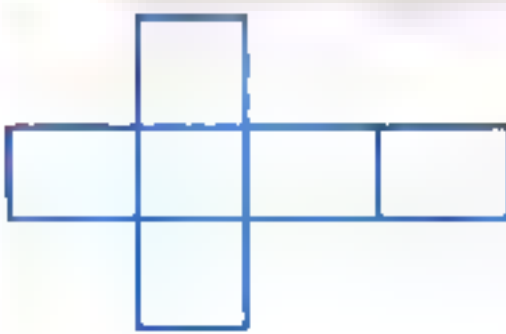
1 Write the name of the base of each solid :



2 Complete the following table :

Solid	Cuboid	Pyramid	Cube
Number of faces	.....	.....	.....
Number of edges	.....	.....	.....
Number of vertices	.....	.....	.....

3 Join each shape with the solid can formed from it :



Bakkar Series

69

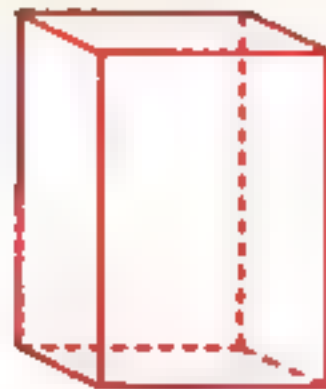


## Self - check 2 Chapter 5

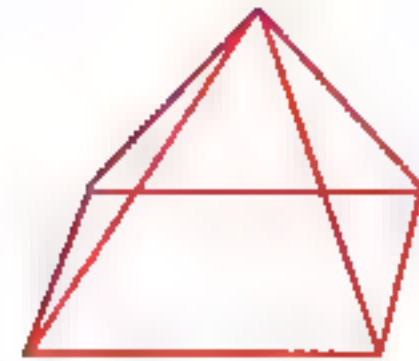
1 Write the number of vertices :



.....

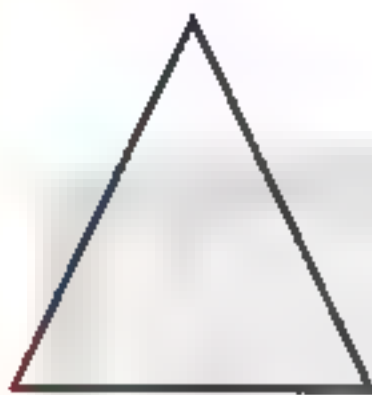


.....

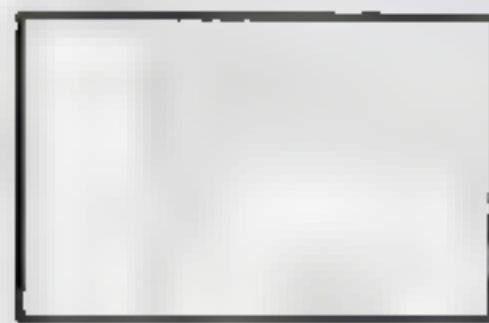


.....

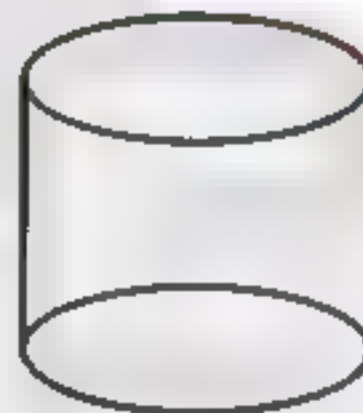
2 Write the name of the following :



.....



.....



.....



.....

3 Complete :

- a The sphere has no ..... and no .....
- b The cone has one ..... and one .....
- c The quadrilateral pyramid has ..... bases
- d Number of edges of the cylinder = .....
- e A quadrilateral that has two long and two short sides is .....

Primary 2 - Term 1



## Self - check 3 Chapter 1,2,3,4,5

1 Find the result :

Tens	Ones
3	7
+ 3	4
.....	.....

Tens	Ones
3	5
+ 4	6
.....	.....

Tens	Ones
6	8
- 1	2
.....	.....

Tens	Ones
5	9
- 4	5
.....	.....

Tens	Ones
7	7
- 4	3
.....	.....

2 Answer the following :

Arrange in ascending order : 706 , 460 , 670 , 607 , 700

The order : .....

3 Kamel soled 31 notebooks , then soled 13 notebooks .  
Estimate the number of notebooks :

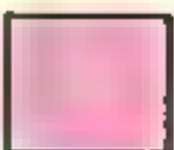
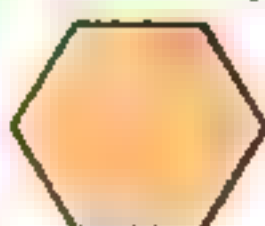
.....

4 Write in digits :

a 3 hundred , 6 tens , 5 ones = .....

b Five hundred and eleven = .....

5 Complete the table :

Polygon	Name	Number of sides	Number of vertices
			
			

Bakkar Series

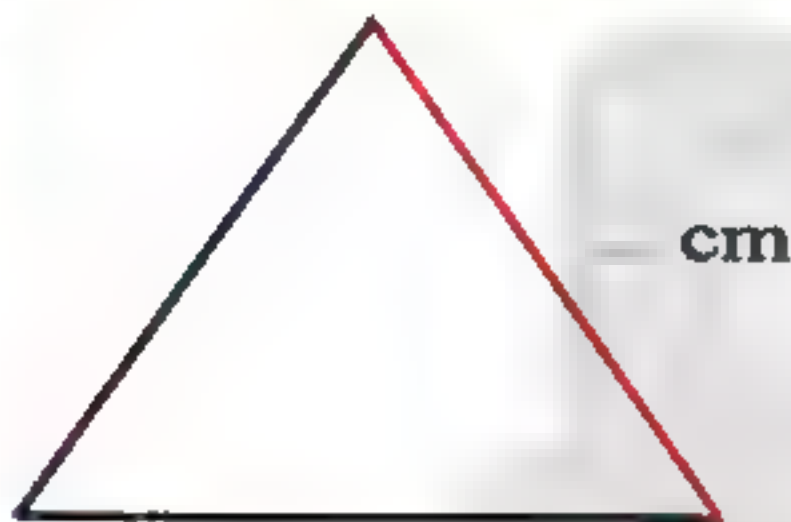




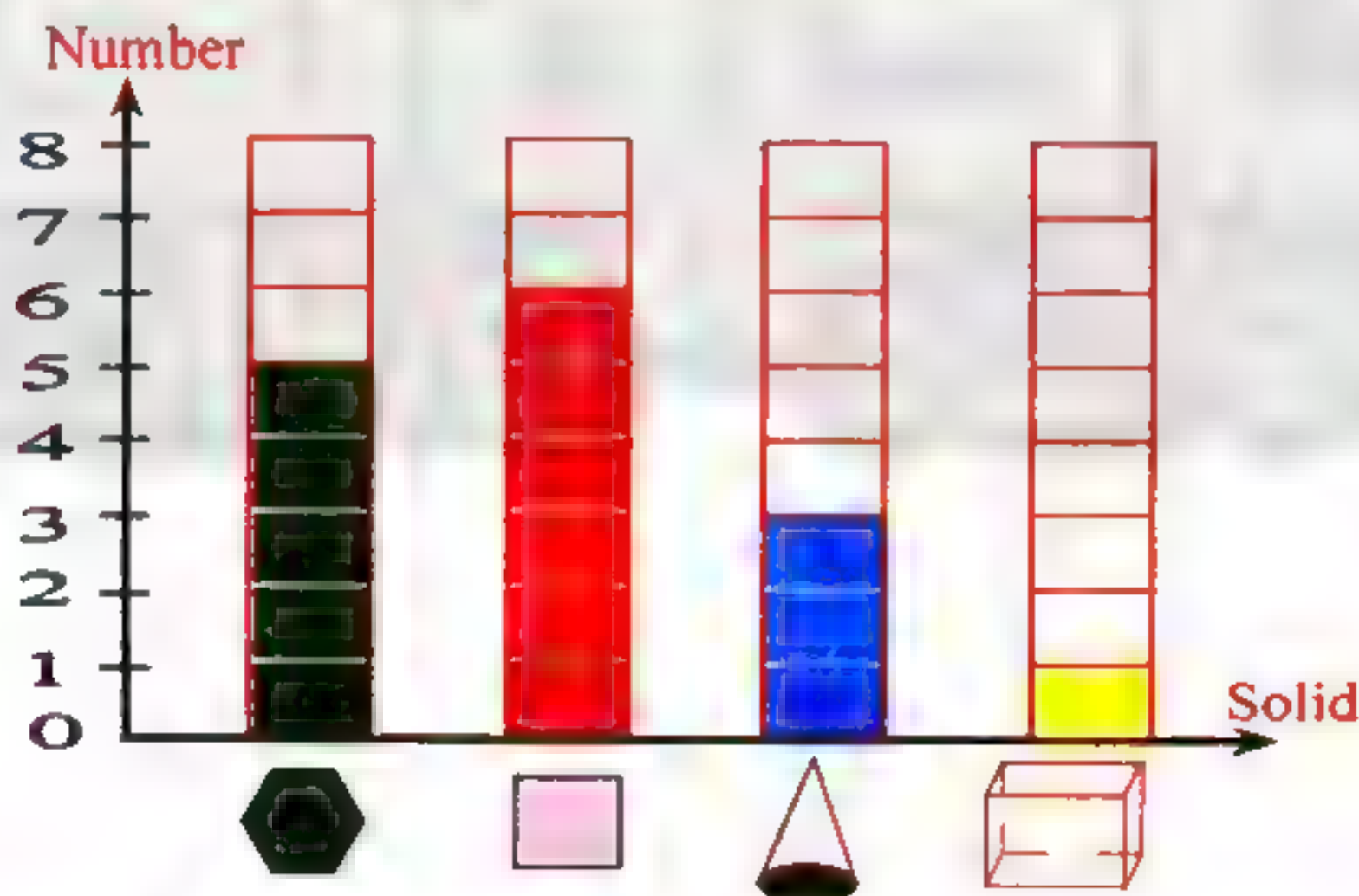
6 Complete the following :

$$\begin{array}{c} \textcircled{19} \\ \swarrow \searrow \\ \textcircled{10} \quad \textcircled{9} \end{array} + \textcircled{7} = \begin{array}{c} \textcircled{\dots\dots} \\ \swarrow \searrow \\ \textcircled{\dots\dots} \quad \textcircled{\dots\dots} \end{array}$$

7 Find the length using ruler :



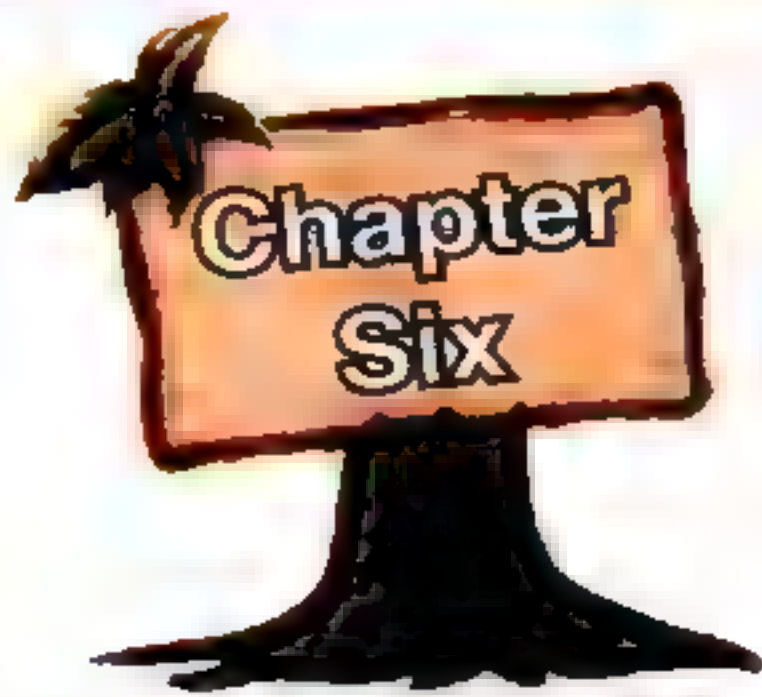
8 From the following graph , complete :



- a Number of 2 dimensional shapes = .....
- b Number of squares = .....
- c Number of solids with circular base = .....

Primary 2 - Term 1





## Measuring Weight - Time



### Key Vocabulary

A.M	صباحاً
Analog clock	ساعة عقارب
Dice	حجر نرد
Digital clock	ساعة رقمية
Gram (gm)	جرام (جم)
Half	نصف
Heavier	أثقل من
Heavy	ثقيل
Hour Hand	عقرب الساعات
Kilogram (kg)	كيلو جرام (كجم)
Kinds	نوع
Light	خفيف
Lighter	أخف من

Mass	كتلة
Midnight	منتصف الليل
Minute Hand	عقرب الدقائق
P.M	مساءً
Quarter	ربع
Quarter Hour	ربع ساعة
Quarter to	إلا ربع
Rocks	صخور
Spare time	وقت الفراغ
Time	الوقت
Weight	وزن

Bakkar  
Self-Check  
On each  
Chapter

### Content

Bakkar  
Self-Check  
On each  
Lesson

Exercise  
inspired by  
Math Journal

Exercise  
inspired by  
Discover Book



## Lesson

( 51 , 52 )

Estimate the weight of things  
( Gram - Kilo gram )

Activity 1 Notice the kinds of scales :



Activity 2 Some units for measuring weight ( Kilogram and gram ) :

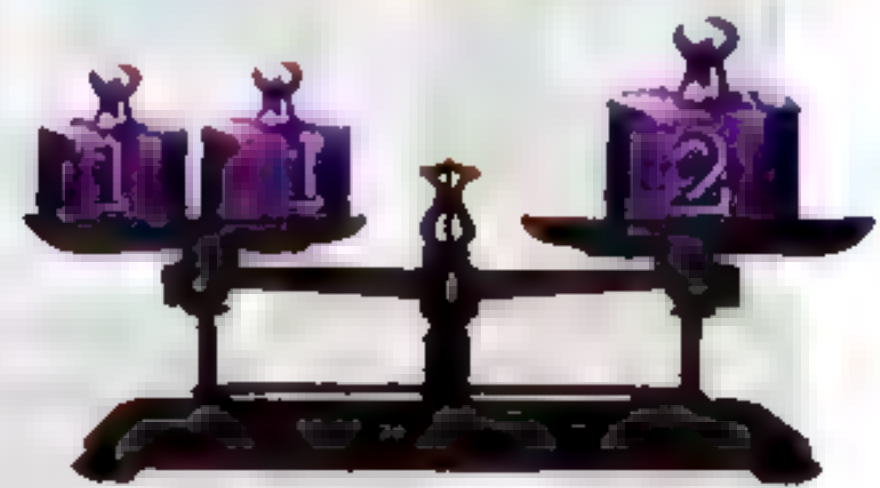
Gram written as gm

Kilogram written as kg



1 Kilogram = 1000 gram

1 Kg = 1000 gm



2 Kilogram → 2 kg

Activity 3 Objects measuring by ( gram ) as :



Primary (2) - Term 1



## Chapter 6

## Activity 4 Objects measuring by (Kilogram) :



## Exercise 1 Choose the suitable unit for measuring as Ex :



(Gram - Kilogram)

(Gram - Kilogram)

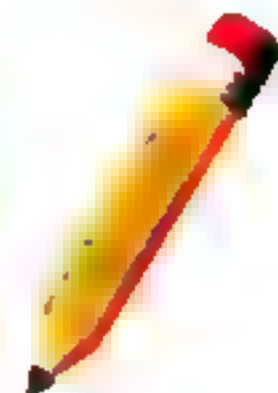
(Gram - Kilogram)



(Gram - Kilo gram)

(Gram - Kilo gram)

(Gram - Kilo gram)



(Kg - gm)

(Kg - gm)

(Kg - gm)

Bakkar Series

125



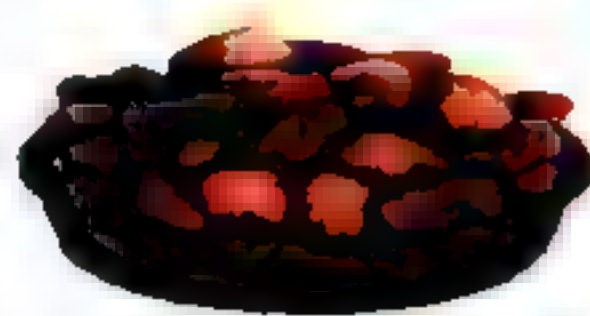
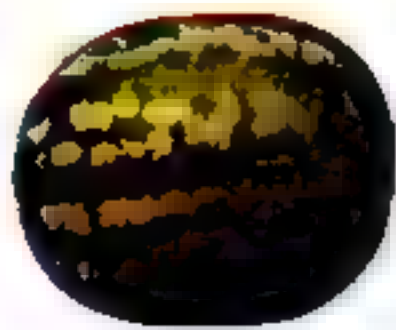
## BAKKAR

## Measuring

Exercise

2

Join with the suitable weight :



10 Kg

5 Kg

30 gram

1 Kg

Exercise

3

Put (✓) under the lighter :

a



b

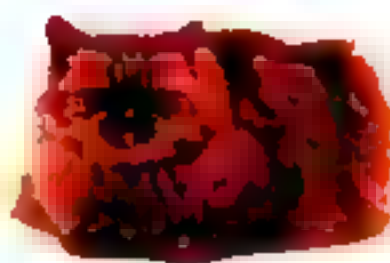


Exercise

4

Put (✓) under the heavier :

a



b



Primary (2) - Term 1



## Self - check on lesson ( 51, 52 )

1 Put (✓) under the lighter :

a



(.....)



(.....)

b



(.....)

(.....)

c



(.....)



(.....)

d



(.....)

(.....)

e



(.....)



(.....)

2 Arrange from the heaviest to the lightest :



a



b



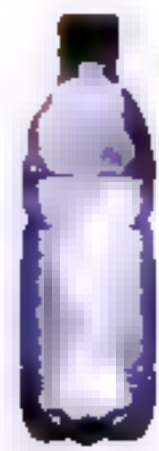
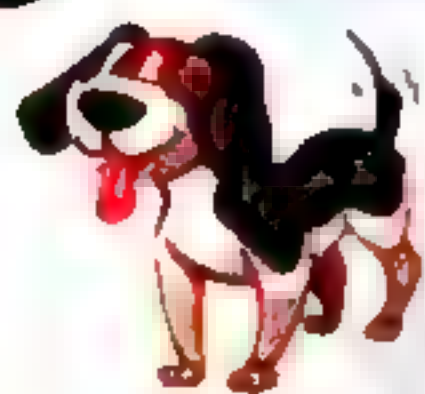
c



d

The descending order is : ....., d, ....., .....

3 Join each picture to the suitable weight:



10 Kilogram

5 Kilogram

10 gram

1 Kilo gram

Bakkar Series





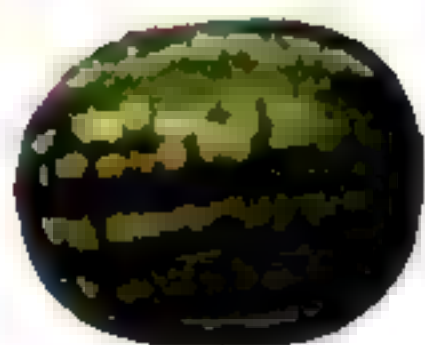
BAKKAR

Measuring

4 Complete by using suitable sign ( $>$ ,  $<$  or  $=$ ) as Ex :

EX


 $<$ 

 $=$ 

 $=$ 

 $=$ 

 $=$ 

 $=$ 


Primary (2) - Term 1

118



## Lesson

( 53 , 54 )

## Solving problems on weight

Activity

1

If the weight of one fish 90 grams .  
Find the sum of the weight of two fish :



$$90 \text{ gram} + 90 \text{ gram} = 180 \text{ gm}$$

Activity

2

Eiad have a dog its weight is 10 kg, a cat its weight 5 kg .  
Find the total weight of them :




$$10 \text{ Kilogram} + 5 \text{ Kilogram} = 15 \text{ Kilogram}$$

Exercise

1

Yassmin's weight is 30 kg and her cat's weight is 3 kg .  
Find the total weight of them together :



$$\dots \text{ Kilogram} + \dots \text{ Kilogram} = \dots \text{ Kg}$$

Bakkar Series





## Self - check on lesson ( 53, 54 )

1 Answer the following :

- a Dalia has 19 kg of rocks in her bag , she get 7 kg of rocks .How many kg of rocks with Dalia ?



The weight of rocks = ..... + ..... = ..... kg

- b The weight of ring is 80 gm , the weight of earring is 20 gm .  
What is the weight of them ?

The weight = ..... + ..... = ..... gm

- c My friend bought 3 kg of vegetable , 4 kg of meat , 2 kg of fruit , and 2 kg of milk . Find the weight of all of this .

Discover  
Book

The total weight = ..... + ..... + ..... + ..... = ..... kg

- d Tuk tuk weights 99 kg and the man who drive it weight 80 kg . Find the difference between the two weights .

The difference = ..... - ..... = ..... kg





## Chapter 6

2 Complete :

a Put ( $<$ ,  $>$ ,  $=$ )\* Mohamed's weight  Ahmed's weight .\* Ahmed's weight  Mahmoud's weight .

Mahmoud

Mohamed

Ahmed



35 kg



65 kg



45 kg

b The sum of Ahmed and Mahmoud's weight = ..... + ..... = ..... kg

c The different between Ahmed and Mahmoud's weights = ..... - ..... = ..... kg

3 Arrange the weights in an ascending order  
( From the smallest to the greatest ) :

Half kg , 5 kg , 1 kg , 10 kg

The order ....., ....., ....., .....

4 Arrange the weights in a descending order  
( From the greatest to the smallest ) :

2 kg , 100 kg , 1 kg , 10 kg

The descending order ....., ....., ....., .....

5 Complete by suitable sign ( $>$ ,  $<$ ,  $=$ ) :a 100 gm  10 kg .b 1 kg  Half kg .c 1000 gm  1 kg .

لا تقس الاشياء في  
قنوات ذاكرولي  
على لطيف الاجرام

Bakkar Series

8



## Lesson

( 55 , 56 )

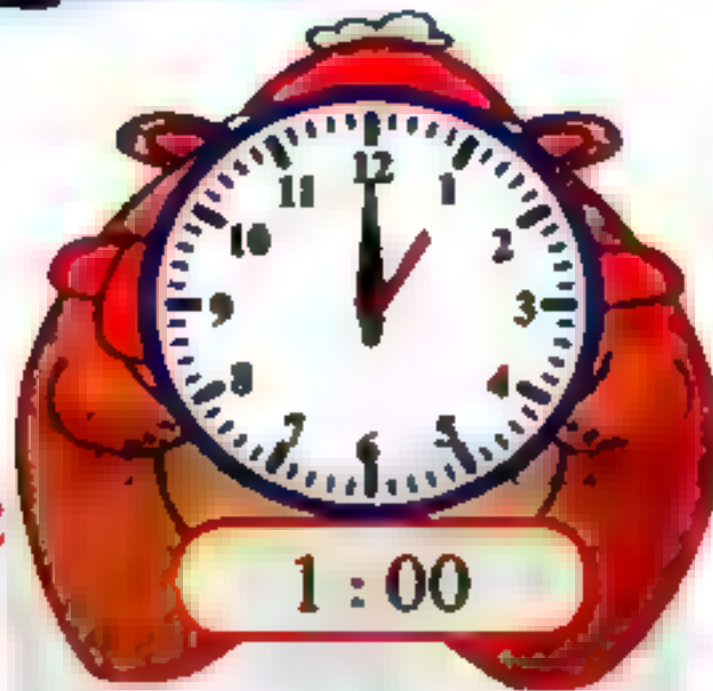
## Time

## Activity 1 The analog clock :

Notice that :

Hand of hour at 1

Hand of minute at 12



Time : 10'clock

(1) The short hand tells us the hour .

(2) The longer hand tell us the minutes .

## Hour

These hands move around the clock as time pass and point different numbers, These numbers tells us the time .

## Day

The day is broken up into two ( 12 - hours ) parts , the parts have different names AM and PM ,

- ( 12 - hours ) is morning (AM) ( 12 midnight to 12 noon ).

- ( 12 hours ) is afternoon (PM) ( 12 noon to 12 midnight ) .



## Exercise 1 Write the time as Ex :





## Chapter 6

## The Time activity

A.M. - P.M.

## Activity 2 Activity in the morning :



Wake up



Go to school



## Activity 3 Activity in the evening :



Go to home



Eat lunch



Studying lessons



Go to bed



Bakkar Series



هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى



BAKKAR

Measuring

Exercise

2

Write the time :

Playing at

: Evening  
( P.M )

I'm eating my breakfast at

: Morning  
( A.M )

I'm sleeping at

: Evening  
( P.M )I'am eating my lunch  
at: Evening  
( P.M )



## Self - check on lesson ( 55 , 56 )

1 Choose the suitable as Ex :

EX



Morning - Evening



Morning - Evening



Morning - Evening



Morning - Evening

2 Draw the hands according to the time :

a I'm eating my dinner at 8 : 00 pm



b I'm studying my lessons at 5 : 00 pm



c I'm eating my breakfast at 7 : 00 am



Bakkar Series

85



## BAKKAR

## Measuring

3 Draw the hands according to the time :



5 : 00



11 : 00



8 : 00

4 Join each activity to the suitable analog clock :



5 Write the time :



Primary 2 - Term 1



## Lesson

( 57 , 58 )

## Half of an hour

Activity 1 1 hour = 60 minutes :

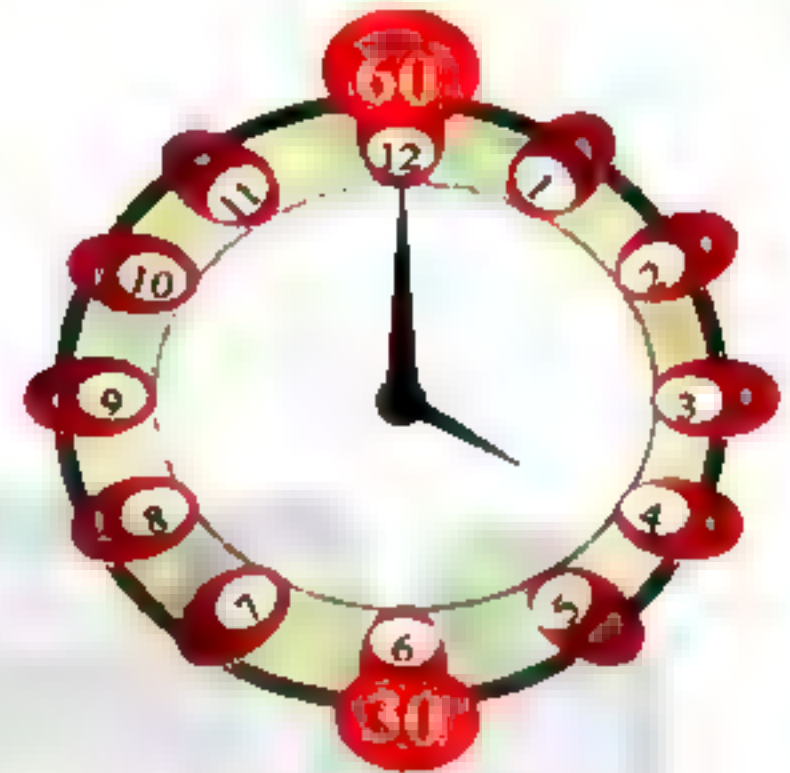
## Hour

When the long hand moves from 12 up to 12 again it means 60 minutes passed .

It's 4 : 00

When the short hand point to number 4 and the long hand point to 12

4 : 00



Activity 2 1 hour = 60 minutes , Half hour = 30 minutes :

## Half hour

When the long hand moves from 12 to 6 this means half hour

It's 4 : 30

When the short hand between 4 and 5 and the long hand point to 6

4 : 30



Bakkar Series

18

هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى



## BAKKAR

## Measuring

Exercise

1

Write the time :



:00 :00



:00 :00



:00 :00



:00 :00

Exercise

2

Draw the long hand and the short hand according to the time :



1 : 30



5 : 30



2 : 30

Exercise

3

Choose the correct time :



4 : 00 , 10 : 30



8 : 30 , 5 : 00



## Self - check on lesson ( 57 , 58 )

1 Write the time as Ex :



تابع جديد ذاكرولي على موقعنا

<https://www.zakrooly.com>

EX



2 Write the suitable time :

- a Ebrahiem attend science lesson at **4 : 30** .....
- b Fatma eating lunch at .....
- c The student takes break start from ..... to .....
- d Mohamed go to school at ..... and return to home at .....
- e Kenzy watched cartoon movies at .....

Bakkar Series



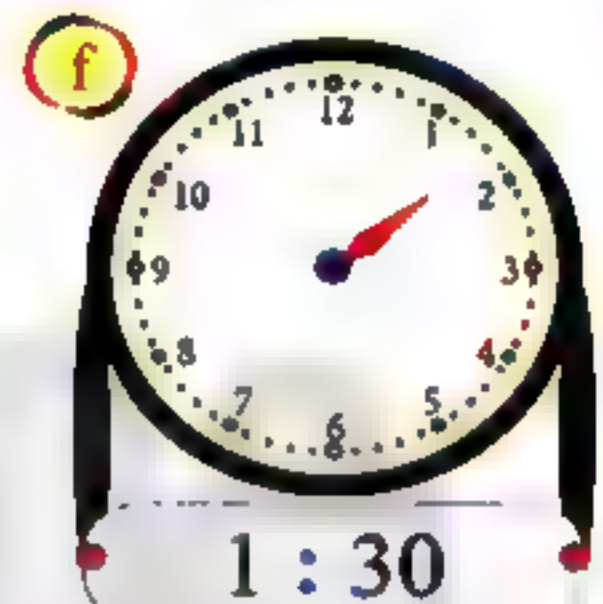
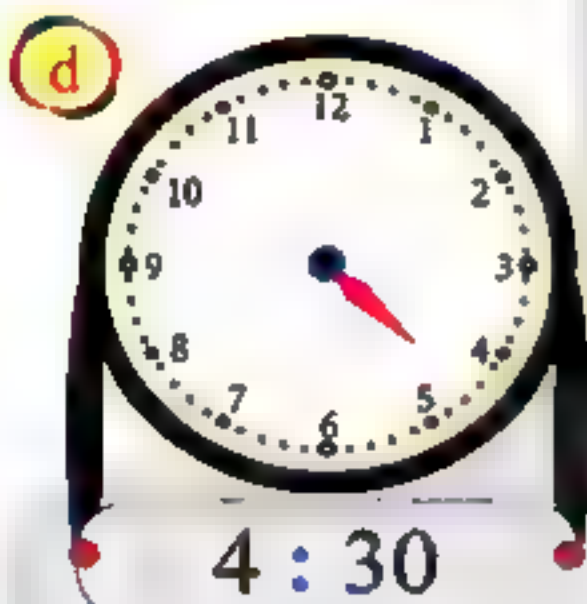
هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى



BAKKAR

Measuring

3 Draw the long hand according to the time :



4 Write the time according to the digital clock as Ex :

Ex

2 : 00

9 : 30

a

6 : 00

It's 2 o'clock

It's Half past 9

It's .....

b

11 : 30

c

5 : 00

d

10 : 30

It's .....

It's .....

It's .....

e

1 : 00

f

3 : 30

g

7 : 00

It's .....

It's .....

It's .....

190

Primary (2) - Term 1



## Lesson

( 59 , 60 )

## Quarter of an hour

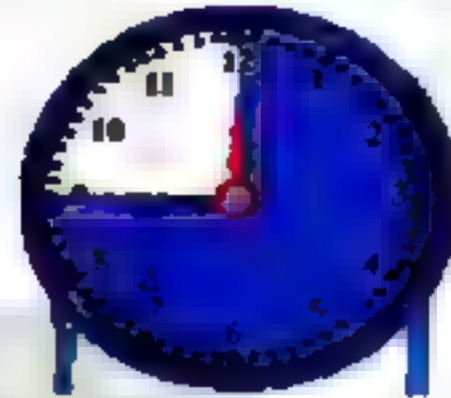
Activity 1 1 hour = 60 minutes , Half hour = 30 minutes :



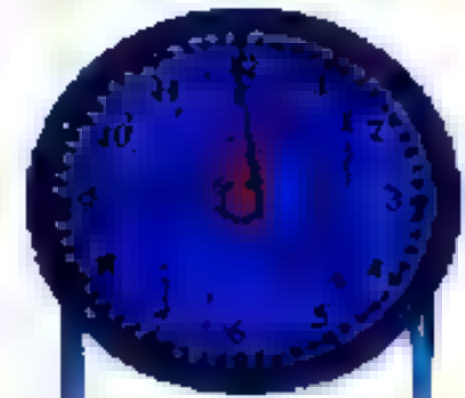
Quarter hour  
= 15 minutes



Half hour  
= 30 minutes



Quarter to  
hour =  
45 minutes



1 hour  
= 60 minutes

Activity 2 Quarter an hour = 15 minutes :

At 6 : 15 ,

When the short hand is pointing to 6 and  
the long hand is pointing to 3

6 : 15



At 6 : 45 ,

When the short hand is pointing between 6 and 7  
and the long hand is pointing to 9

6 : 45



Bakkar Series

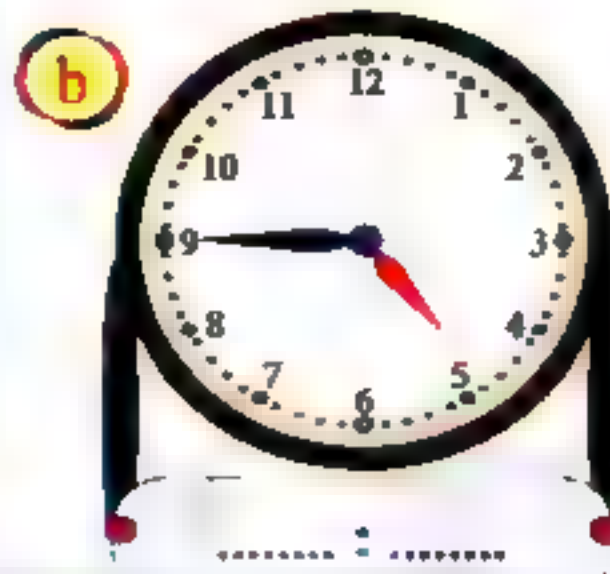
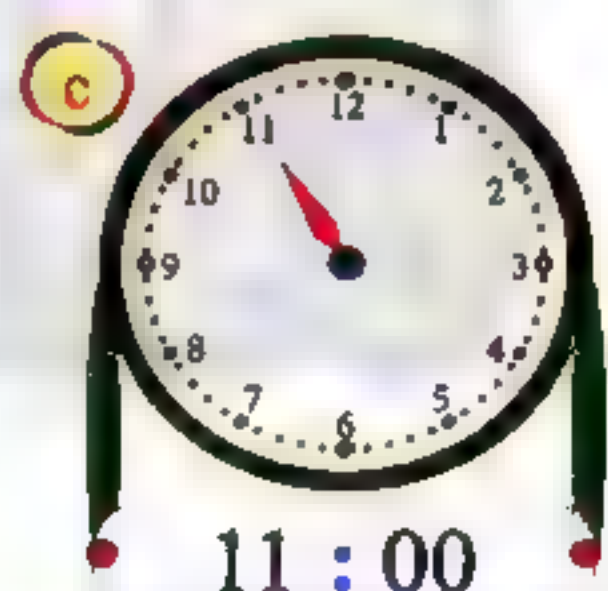
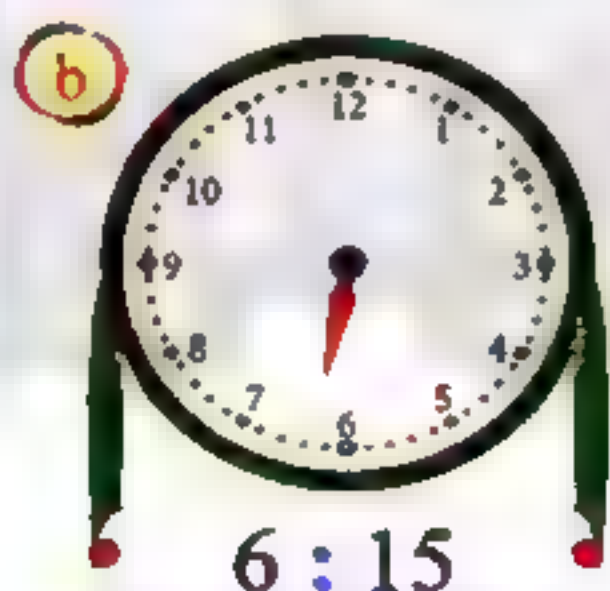
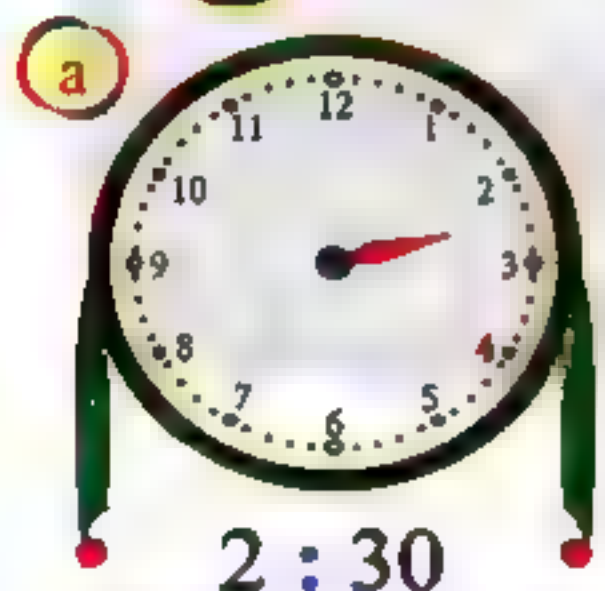


هذا العمل خاص بموقع ذاكرولى التعليمى ولا يسمح بتداوله على مواقع أخرى



BAKKAR

Measuring

**Exercise 1** Write the time as a :**Exercise 2** Draw the long hand according to the time :

Primary (2) - Term 1



## Self - check on lesson ( 59 , 60 )

1 Shad each analog clock as ( a ) and complete :

a Quarter hour = ... minutes



b Half hour = ... minutes



c Quarter to an hour = ... minutes



2 Using the suitable sign ( $>$ ,  $<$ ,  $=$ ) :

a Half hour  15 minutes .

b Quarter hour  45 minutes .

c 45 minutes  quarter to an hour .

d 60 minutes  Hour .

3 Write the time :



Discover  
Book

Bakkar Series

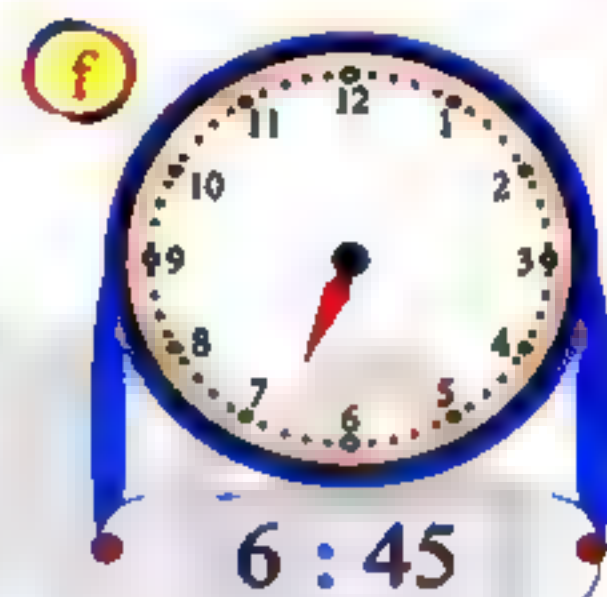
193



BAKKAR

Measuring

4 Draw the long hand according to the time :



5 Choose the correct answer :

Discover  
Book

- a The time needed to eat dinner about ( 15 minutes , 2 hours , 3 hours )
- b Travelling time from Cairo to Alex ( 30 minutes , 45 minutes , 4 hours )
- c Studying time daily about ( 15 minutes , 30 minutes , 3 hours )
- d Class time in school about ( 2 hours , 15 minutes , 45 minutes )
- e Time to walk to school about ( 2 hours , 15 minutes , 3 hours )

Primary 2 - Term 1



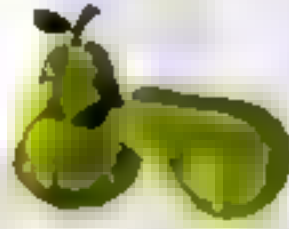
## Self - check 1 Chapter 6

1 Complete :

- (a) Quarter hour = ..... minutes  
 (b) Half hour = ..... minutes  
 (c) 1 Day = ..... hour  
 (d) 1 Kilogram = ..... gram

تابع جديد ذاكرولي على  
 فيس بوك  
 تويتر  
 والس اب  
 تليجرام

2 Join each figure to its suitable weight :



10 Kilogram

5 Kilogram

10 gram

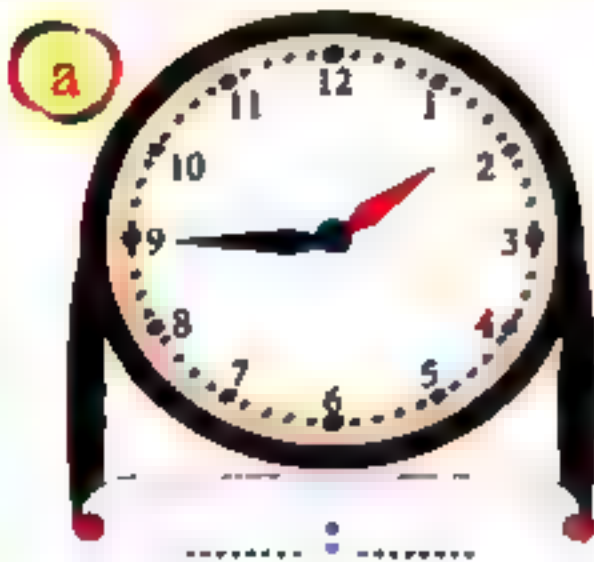
Half Kilogram

3 Nour played 30 minutes football match , and she played 15 minutes rope jumping . How many minutes she played ?

The minutes = .... + .... = .... minutes .

Discover  
Book

4 Write the time :



Bakkar Series

195



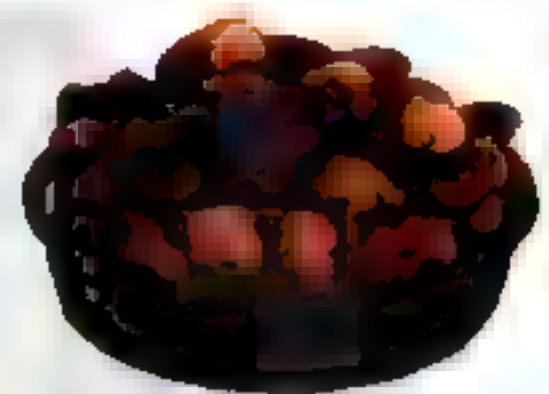
## Self - check 2 Chapter 6

- 1 You have 60 minutes spare time , you played 30 minutes .  
How many minutes remained with you as spare time ?

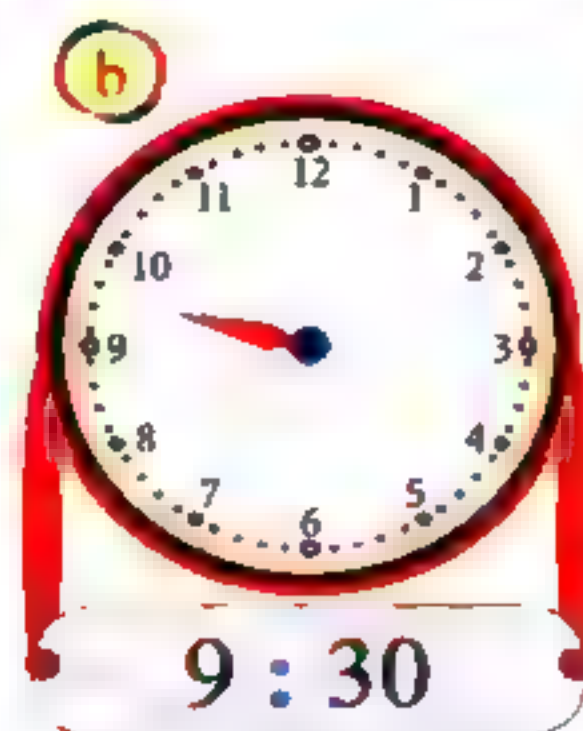
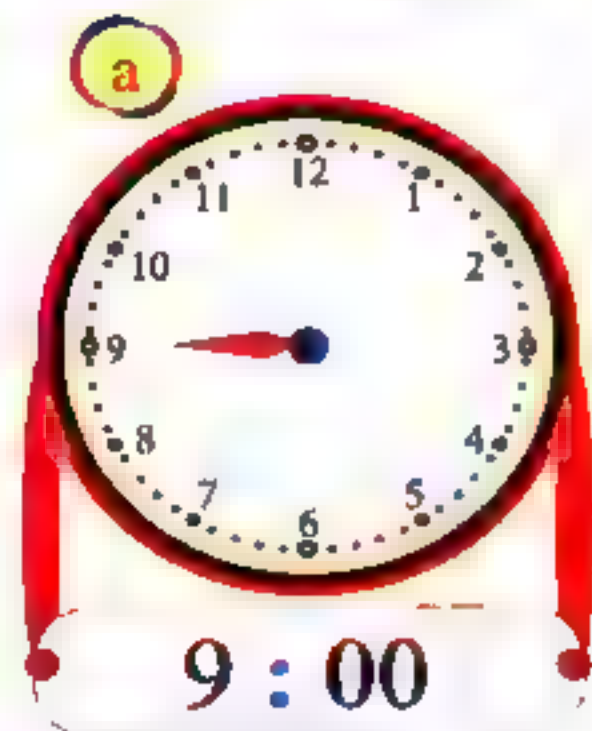
Spare time = .... - .... = .... minutes .

Discover  
Book

- 2 Underline the heavier in weight :



- 3 Draw the long hand :



Primary (2) - Term 1





## Self - check 3 Chapters 1,2,3,4,5,6

1 Answer the following :

a  $\begin{array}{c} \textcircled{61} \\ \swarrow \searrow \\ \textcircled{60} \quad \textcircled{\dots} \end{array} + \textcircled{7} = \begin{array}{c} \textcircled{\dots} \\ \swarrow \searrow \\ \textcircled{\dots} \quad \textcircled{\dots} \end{array}$

b  $\boxed{26} + \boxed{13} = \boxed{\dots}$

Tens	Ones
	

Tens	Ones
	

Tens	Ones

2 From the chart , find the value :

a  $6 + 2 = \dots$

b  $16 - 2 = \dots$

c  $26 + 10 = \dots$

31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

3 Complete the following :

a **5** hundred , **6** tens , **7** ones = ..... ( in digit )

b **139** = ..... + ..... + ..... ( Expand form )

c Half hour = ..... minutes .

d **21 + 17 + 11 + 39** = ..... + ..... = .....

Bakkar Series





## BAKKAR

## Measuring

4 Estimate to find :

$$\begin{array}{r} 57 \\ - 13 \\ \hline \end{array}$$

Estimate to

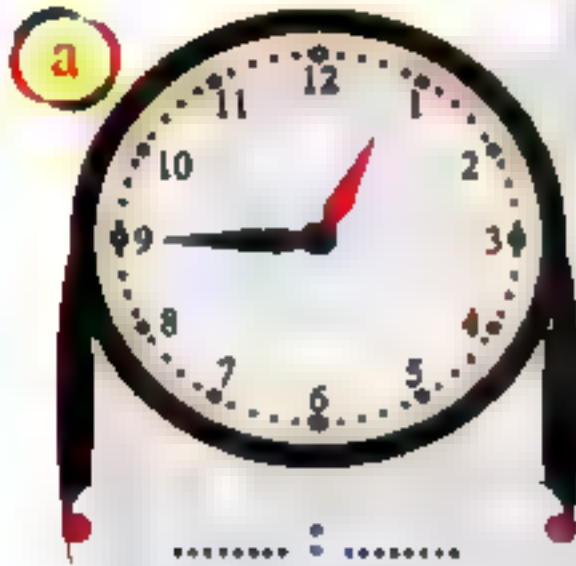
$$\begin{array}{r} \dots\dots \\ - \dots\dots \\ \hline \dots\dots \end{array}$$

Estimation of :  $\dots\dots - \dots\dots$   
is :  $\dots\dots$

5 Ziad has a dog weight's 10 kg and a cat weight's 5 kg .  
Find their weights together .

Their weight =  $\dots\dots + \dots\dots = \dots\dots$  kg .

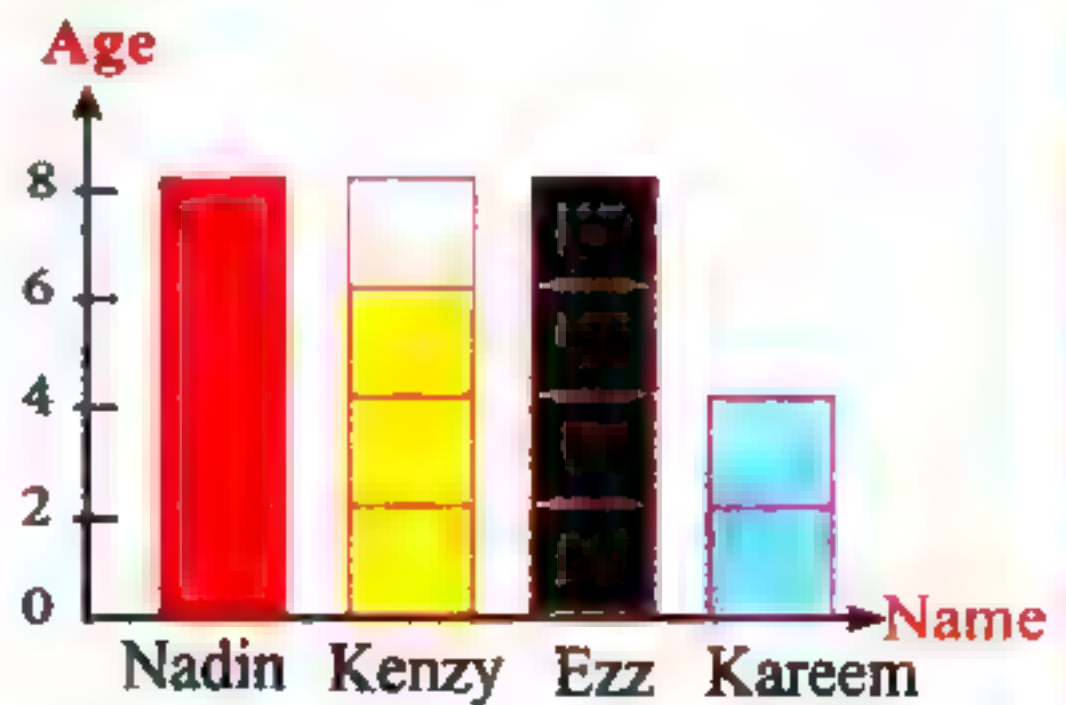
6 Write the time :



7 From the graph answer the following :

a Kareem's age  $\dots\dots$  Nadin's age

b Total age of Ezz and Kenzy =  $\dots\dots$



Primary 2 - Term 1



## General Self - check

## Bakkar Self - check 1

1 Find :

Tens	Ones
2	7
+ 6	1
.....	.....

Tens	Ones
7	6
+ 1	7
.....	.....

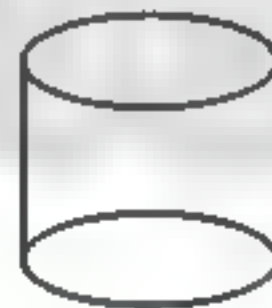
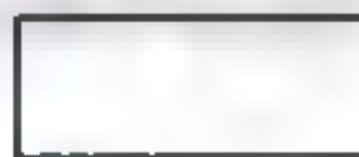
Tens	Ones
4	8
- 3	0
.....	.....

Tens	Ones
7	5
- 7	4
.....	.....

2 Choose the correct answer :

- (a) I'm a solid with 1 base only ..... ( cone , circle , cylinder )
- (b)  $715 = 5 + 10 + \dots$  ( 700 , 70 , 7 )
- (c) Nine hundred and eleven is written in digit as ..... ( 191 , 911 , 119 )
- (d) 6 hundred ( ..... ) 60 tens. ( > , < , = )

3 Write the name of each figure :



4 Estimate the following :

(a)  $\begin{array}{r} 43 \\ + 36 \end{array}$  estimate to  $\begin{array}{r} \dots \\ + \dots \\ \hline \dots \end{array}$

(b)  $\begin{array}{r} 60 \\ + 28 \end{array}$  estimate to  $\begin{array}{r} \dots \\ + \dots \\ \hline \dots \end{array}$



## BAKKAR Skill part

5 Answer the following :

- a Asmar has 13 kg rooks and she get another 8 kg rooks .

What is the weight of all rooks ?

Solution :

The weight of rooks = ..... + ..... = ..... rooks



- b Write the time :



- 6 The income of my library in four days was 658 , 350 , 421 , 519 pounds. Arrange the amounts descendingly .

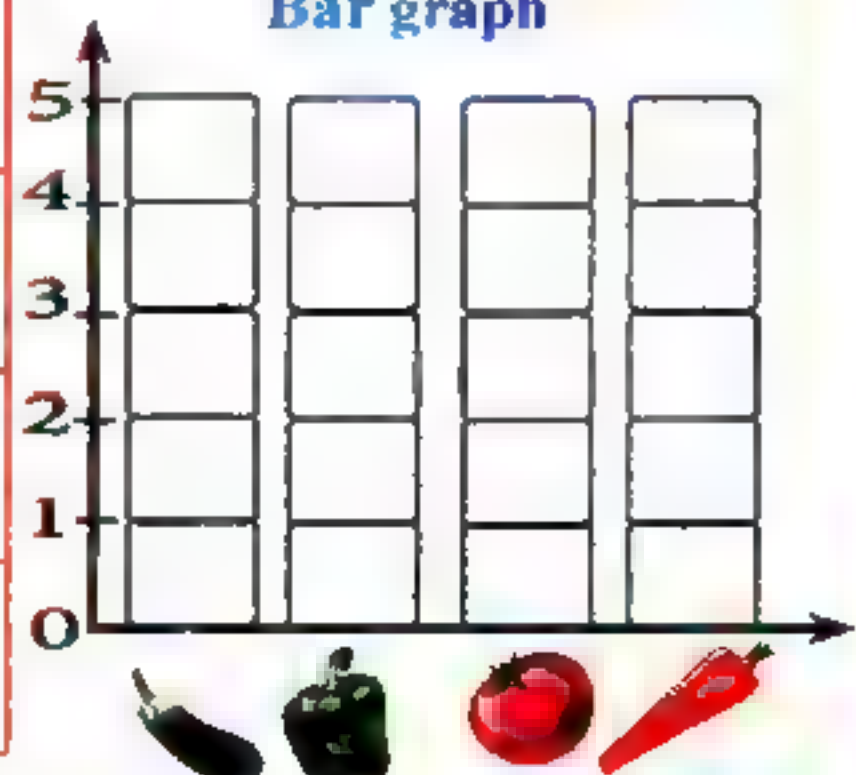
The order is : .....

- 7 From the picture graph , complete the bar graph : Discover Book

Picture graph

Eggplant					
Pepper					
Tomato					
Carrot					

Bar graph





Self - check

## Bakkar Self - check 2

1 Find :

$$\begin{array}{r} 35 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ - 15 \\ \hline \end{array}$$

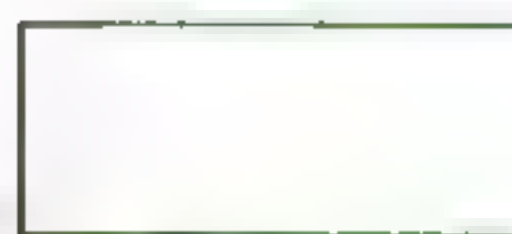
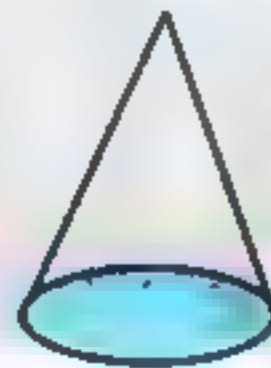
2 Choose the correct answer :

a 155 (....) 515 ( $>$ ,  $<$ ,  $=$ )

b The solid that all it's faces are squares is .....( cone , ball , cube)

c  $375 = \dots + 70 + 5$  ( 3 , 30 , 300 )d 100 g (....) 10 kg. ( $>$ ,  $<$ ,  $=$ )

3 Match each figure with it's suitable base :



4 Arrange in an ascending order :

10 kg , 1 kg , 5 kg , half kg

The order : ....., ....., ....., .....



## BAKKAR Skill part

5 Answer the following :

- (a) The story has 98 pages , Mohamed read 55 from them , find the number of pages were remained in the story ?

**Solution :** The remainder = ..... - ..... = ..... pages

- (b) Write the time :



6 Estimate the following :

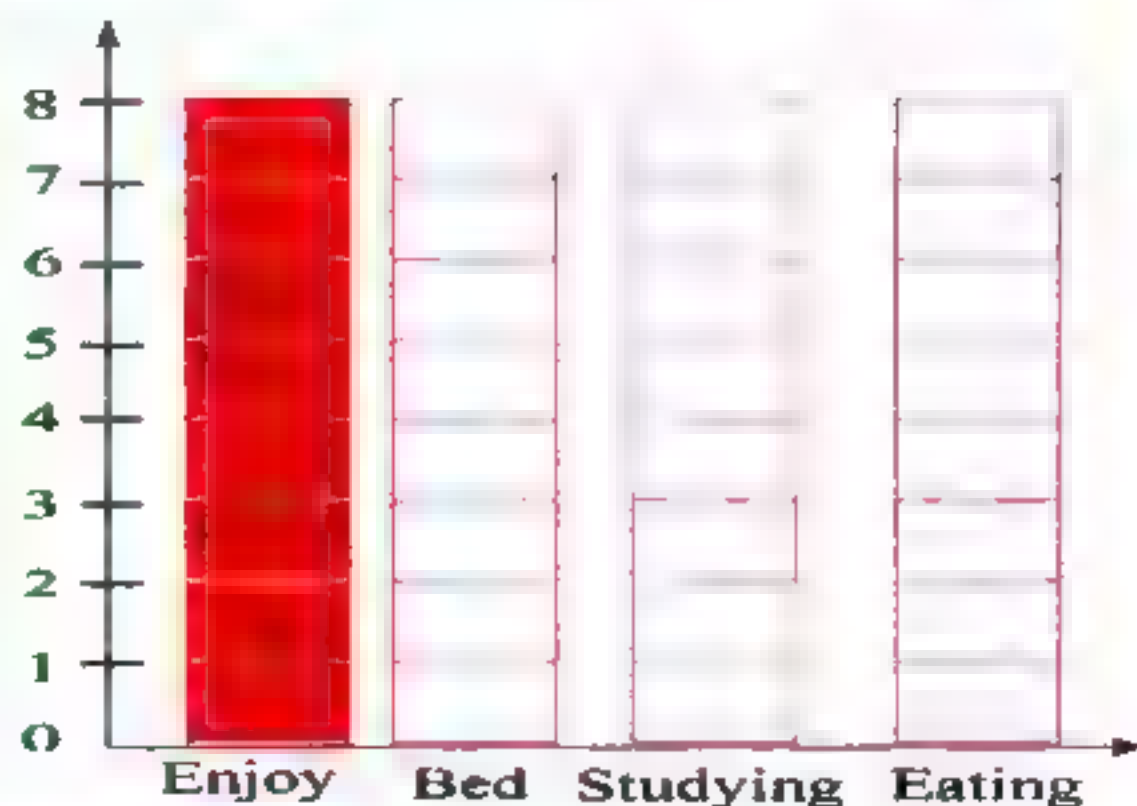
(a) 
$$\begin{array}{r} 53 \\ - 38 \\ \hline \end{array}$$
 estimate to  $\begin{array}{r} \phantom{00} \\ - \phantom{00} \\ \hline \end{array}$

(b) 
$$\begin{array}{r} 80 \\ - 39 \\ \hline \end{array}$$
 estimate to  $\begin{array}{r} \phantom{00} \\ - \phantom{00} \\ \hline \end{array}$

Discover  
Book

7 The teacher asked his student ,what do you doing at 4:00 afternoon and record this data in the table then colour the bar graph ?

Activity	The number of student
Enjoy	8
Bed	5
Studying	3
Eating	7





Self - check

## Bakkar Self - check 3

1 Answer the following:

Tens	Ones
6	8
+	6

Tens	Ones
3	4
+	8
5	

Tens	Ones
3	8
-	1
1	

Tens	Ones
7	7
-	5
5	

2 Choose the correct answer :

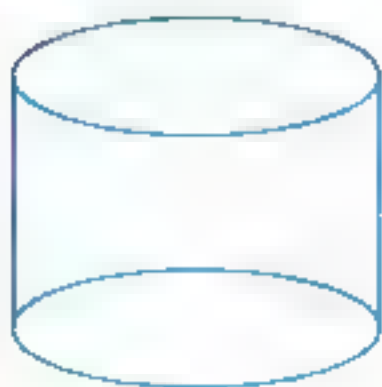
- (a) The place value of 6 in the number 356 is .... ( 6 , tens , ones )
- (b) 1 kg = ..... gm ( 10 , 100 , 1000 )
- (c) Seven hundred and forty four is written as ..... ( 744 , 474 , 447 )
- (d) 5 ones + 3 tens + 4 hundred ( ..... ) 415 ( > , < , = )

3 Estimate the following :

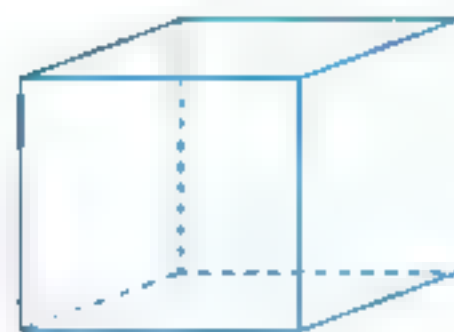
(a)  $\begin{array}{r} 71 \\ + 26 \end{array}$  estimate to  $\begin{array}{r} \dots \\ + \dots \\ \hline \dots \end{array}$

(b)  $\begin{array}{r} 89 \\ + 19 \end{array}$  estimate to  $\begin{array}{r} \dots \\ + \dots \\ \hline \dots \end{array}$

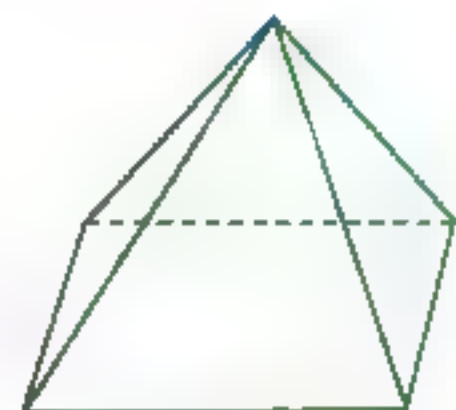
4 Write the number of vertices in each solid :



.....



.....



.....



## BAKKAR Skill part

- 5 Nour played 45 minutes match football , and she played 15 minutes jump by rope , how many minutes did she play ?

**Solution :** Number of minutes = ..... + .....

= ..... minutes = ..... hour

Discover  
Book

- 6 Answer the following :

- a Arrange the numbers in an ascending order :

333 , 12 , 159 , 61 , 555

The order is : .....

- b Measure the length of the red side (using the ruler)



- 7 From the chart find :

$33 + 10 = \dots\dots$

$15 + 9 = \dots\dots$

41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

$41 - 10 = \dots\dots$

$25 - 8 = \dots\dots$

41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10



## Bakkar Self - check 4

1 Answer the following :

Tens	Ones
3	4
+ 1	6
.....	.....

Tens	Ones
1	9
+ 1	7
.....	.....

Tens	Ones
6	5
- 1	1
.....	.....

Tens	Ones
5	8
- 4	6
.....	.....

2 Choose the correct answer :

- (a) 9 tens , 6 ones , 4 hundred's ..... ( 964 , 496 , 946 )
- (b) The value of 5 in the number 225 is ..... ( 5 , 50 , 500 )
- (c) Six hundred and fifty two is written in digit as ..... ( 625 , 652 , 562 )
- (d) The number of edges in the cuboid = .... edges. ( 6 , 8 , 12 )
- (e) 1 kg ( .... ) half kg . ( > , = , < )

3 Answer the following :

(a) Using the ruler to measure the following lengths :



( ..... cm )



( ..... cm )



( ..... cm )

(b) Draw the long hand :



2 : 30



6 : 15



**BAKKAR Skill part****4** Answer the following :

- (a) Asmaa bought toys by **LE 14** , and mobile by **LE 69** .  
How many pound did Assma pay ?

Solution : Asmaa paid =      +      =      pounds

- (b) Who am I : I'm 2D has no sides or vertices ?

**5** Answer the following :Discover  
Book

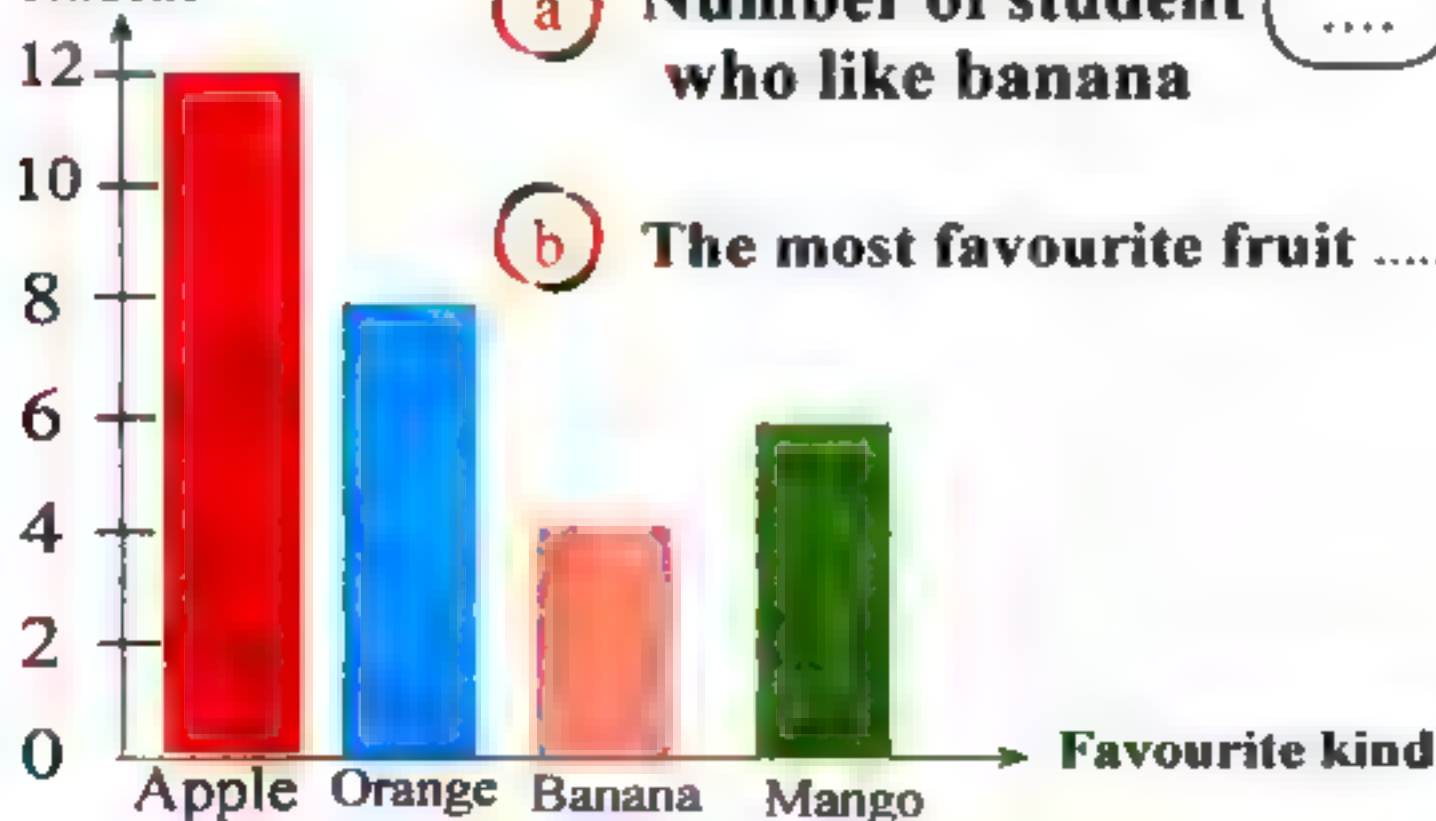
**325** visitors in temple in the first day , and **450** visitors  
in the second day , **155** visitors in the third day , **519** visitors  
in the forth day , Arrange the number of visitors ascendingly

The order is : .....

**6** Estimate the following :

(a) 
$$\begin{array}{r} 41 \\ - 18 \\ \hline \end{array}$$
 estimate to  $\begin{array}{r} \phantom{00} \\ - \phantom{00} \\ \hline \end{array}$

(b) 
$$\begin{array}{r} 68 \\ - 30 \\ \hline \end{array}$$
 estimate to  $\begin{array}{r} \phantom{00} \\ - \phantom{00} \\ \hline \end{array}$

**7** The opposite graph show the favourite fruits , Complete :Number of  
student

- (a) Number of student who like banana (....) Number of student who like apple .

- (b) The most favourite fruit .....



Self - check

## Bakkar Self - check 5

1 Find :

$$\begin{array}{r} 58 \\ + 16 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ + 36 \\ \hline \end{array}$$

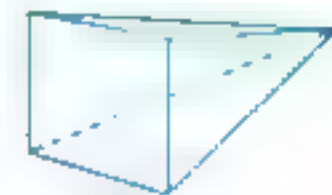
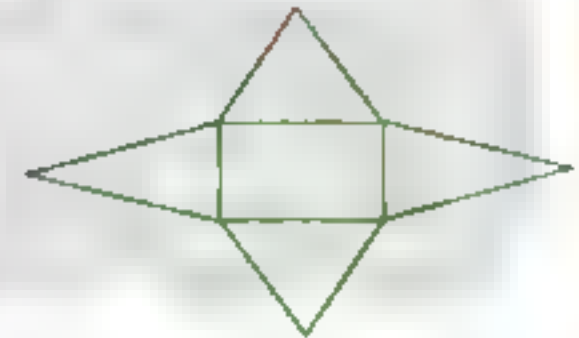
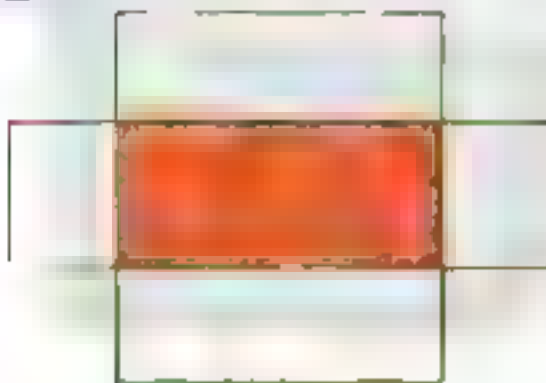
$$\begin{array}{r} 87 \\ - 44 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ - 15 \\ \hline \end{array}$$

2 Choose the correct answer :

- (a) One hundred and forty in digits is ..... ( 104 , 401 , 140 )
- (b) The quadrilateral shape all its sides are equal in length is .....  
( Circle , square , Trapezium )
- (c) The value of number 1 in the number 318 = ..... ( 1 , 10 , tens )
- (d) 485 ( ..... ) 584 ( > , < , = )

3 Match each figure to the suitable solid :



4 Arrange the following from the big to the small :

2 kg , 100 g , 1 kg , 10 kg

The order : ....., ....., ....., .....



**BAKKAR Skill part****5**

(a) My grandma went to the market she bought a vegetables for LE 29 , breads for LE 8 , a hen for LE 47 then LE 12 for taxi. How much did she pay ?

Discover  
Book

Solution : She paid =  $29 + 8 + \dots + \dots$   
 $= \dots + \dots = \dots$  pounds

(b) Write the time :

**6**

Estimate the following :

**a**

$$\begin{array}{r} 74 \\ + 25 \\ \hline \end{array} \quad \begin{array}{l} \xrightarrow{\text{Estimate to}} \dots \\ \xrightarrow{\text{Estimate to}} \dots \end{array}$$

**b**

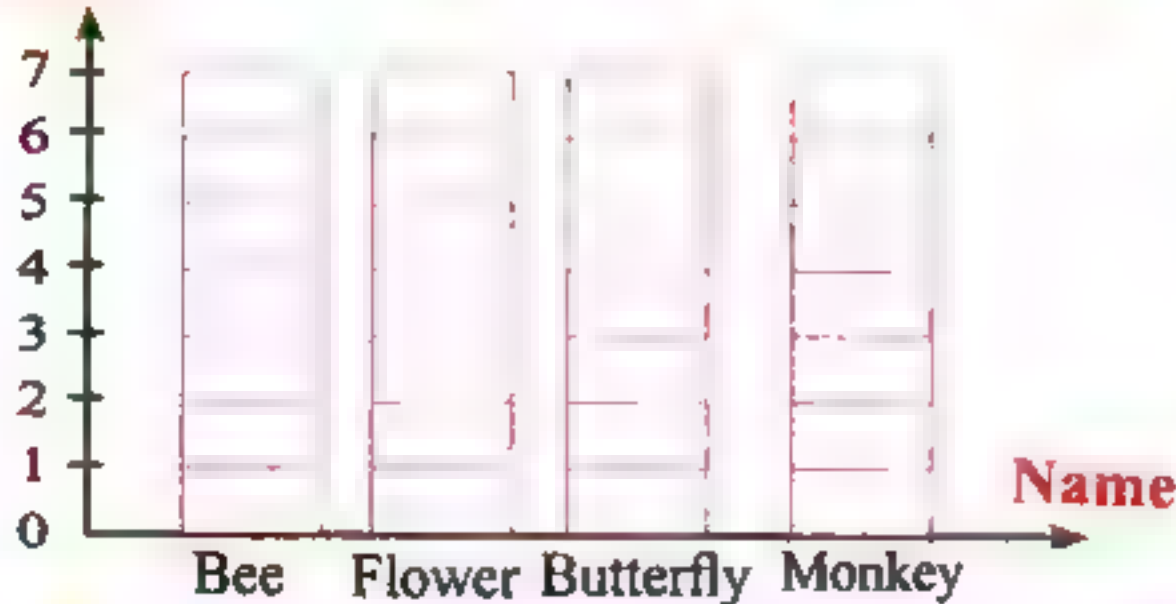
$$\begin{array}{r} 77 \\ + 13 \\ \hline \end{array} \quad \begin{array}{l} \xrightarrow{\text{Estimate to}} \dots \\ \xrightarrow{\text{Estimate to}} \dots \end{array}$$

**7**

Count then complete the table and the graph :



Number



Name	Number
Bee	.....
Flower	.....
Butterfly	.....
Monkey	.....



Self - check

## Bakkar Self - check 6

1 Find :

Tens	Ones
2	2
+ 3	7

Tens	Ones
1	9
+ 1	9




Tens	Ones
5	6
- 4	1

Tens	Ones
6	8
- 4	8

2 Choose the correct answer :

- a) The place value of 5 in 598 is ..... (ones , tens , hundreds )  
 b) Two hundred and eleven in digits is ..... ( 211 , 121 , 112 )  
 c) 4 hundred .... 40 tens ( > , < , = )  
 d) A solid all of its faces as a square is .... ( Cylinder , Cube , Pyramid )

3 Join from ( A ) to ( B ) :

( A )
1) The name of  .....
2) Number of sides of  is .....
3) The name of  is .....
4) The base of the cone is from of .....

( B )
1) Circle
2) 6
3) Cylinder
4) Trapezium

4 Arrange the following from the biggest to the smallest :

55 , 505 , 50 , 550 , 5

Descendingly: .....



## BAKKAR Skill part

5 Answer the following :

- a Tuk tuk weighted 99 kg its driver weighted 70 kg  
Find the difference between the two weight



Solution : the difference = ..... - ..... = ..... kg

- b Write the time :



6 Estimate the following :

a 
$$\begin{array}{r} 31 \\ - 29 \\ \hline \end{array}$$
 Estimate to  $\boxed{\phantom{00}}$   
Estimate to  $\boxed{\phantom{00}}$

b 
$$\begin{array}{r} 54 \\ - 37 \\ \hline \end{array}$$
 Estimate to  $\boxed{\phantom{00}}$   
Estimate to  $\boxed{\phantom{00}}$

7 Complete the table then choose :

Shape	Number
	.....
	.....
	.....
	.....



- a Number of = ..... ( 3 , 4 , 5 )  
 b Number of .... Number of ( > , = , < )  
 c Number of all shapes = ..... ( 12 , 13 , 14 )



## Bakkar Self - check 7

1 Find :

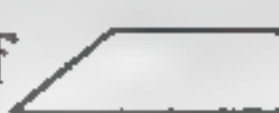
$$\begin{array}{r} 22 \\ + 39 \\ \hline \\ \dots \end{array}$$

$$\begin{array}{r} 15 \\ + 49 \\ \hline \\ \dots \end{array}$$

$$\begin{array}{r} 48 \\ - 12 \\ \hline \\ \dots \end{array}$$

$$\begin{array}{r} 87 \\ - 30 \\ \hline \\ \dots \end{array}$$

2 Choose the correct answer :

- (a) The place value of 3 in 341 is ( 300 , tens , hundreds )
- (b) The day = ..... hours ( 12 , 24 , 60 )
- (c)  $852 = 800 + 2 + \dots$  ( 5 , 50 , 500 )
- (d) Number of sides of  = ..... sides ( 3 , 4 , 5 )
- (e) 1000 kg ( ... ) 1 kg . ( > , - , < )

3 Using the ruler to find the length of the following :

 ( ..... ) cm

 ( ..... ) cm

 ( ..... ) cm

4 Choose the estimation ( without solving ) :

- (a)  $2 + 10$  estimate to ..... ( 20 , 50 , 80 )
- (b)  $90 - 28$  estimate to ..... ( 10 , 70 , 90 )



**BAKKAR Skill part****5 Answer the following :**

The number of a pupils in a class 74 , 41 of them are boys .  
What is the number of girls ?

**Solution :** Number of girl = ..... - ..... = ..... girl

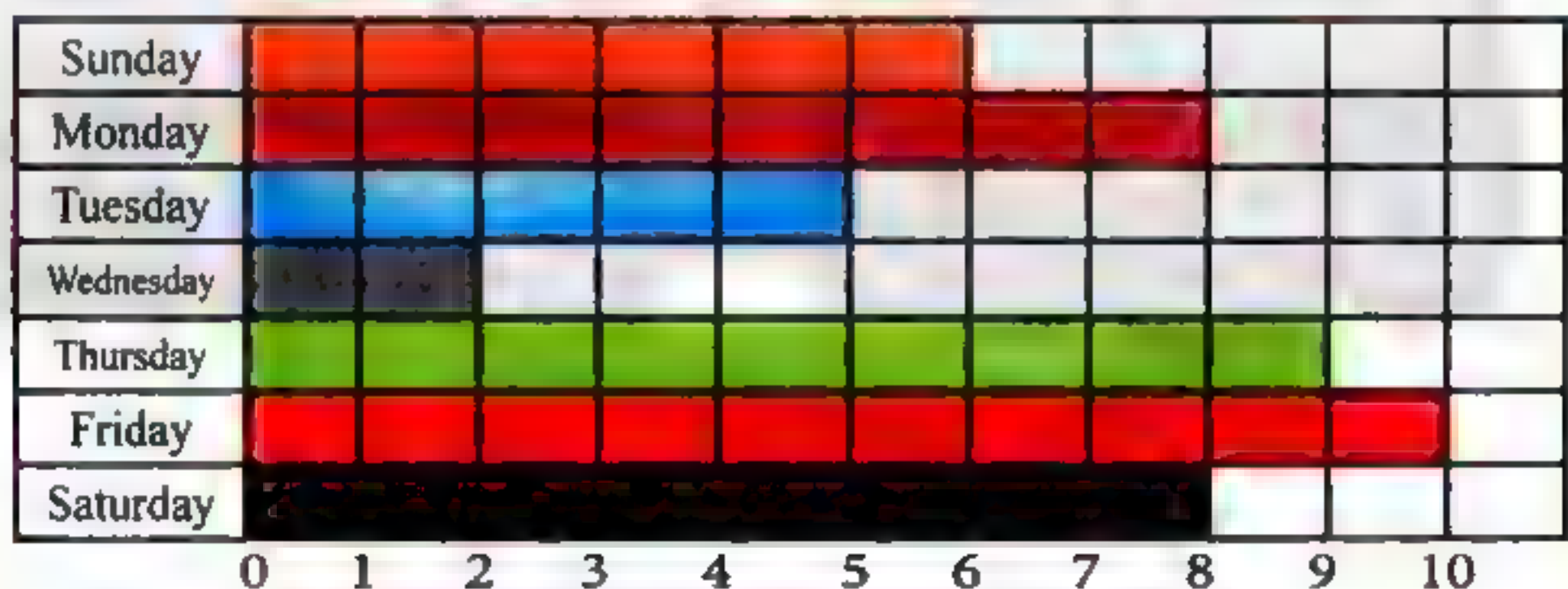
**6 Answer the following :****a Find the missing number :**

$$39 + \dots = 44$$

41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30

**b Who am I : 3 dimensions solid has 5 vertices .**

I'm is .....

**7 From the graph complete using ( $>$  ,  $<$  ,  $=$ ) :**

- a** The number in Friday  The number in Wednesday
- b** The number in Sunday  The number in Monday
- c** The number in Saturday  The number in Monday



Self - check

## Bakkar Self - check 8

1 Answer the following :

Tens	Ones
3	7
+ 3	4
.....	.....

Tens	Ones
2	6
+ 3	7
.....	.....

Tens	Ones
4	5
- 4	1
.....	.....

Tens	Ones
4	8
- 1	4
.....	.....

2 Join from (A) to (B) :  
(A)

(a) The value of 3 in 537 is .....

(b) The solid  is .....

(c) The number just after 99 is .....

(d) The metre and centimetre used to measure .....

(b)

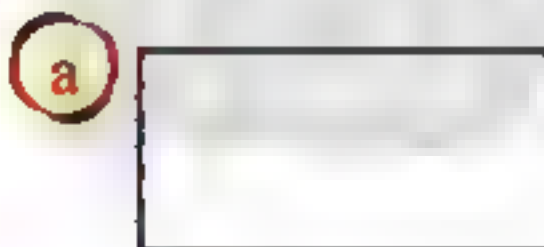
Cylinder

Lengths

30

100

3 Write the number of vertices of each shape :



4 Estimate the following :

(a) 
$$\begin{array}{r} 57 \\ + 14 \\ \hline \end{array}$$
 Estimate to  $\begin{array}{r} \dots \\ + \dots \\ \hline \dots \end{array}$

(b) 
$$\begin{array}{r} 81 \\ + 10 \\ \hline \end{array}$$
 Estimate to  $\begin{array}{r} \dots \\ + \dots \\ \hline \dots \end{array}$

Bakkar Series

Math 213



**BAKKAR Skill part****5** Answer the following :

- (a) The weight of a ring is 50 gm and the weight of earring 40 gm . What is the weight of them together ?

**Solution :** The weight = ..... + ..... = ..... gm

- (b) Write the time :

**6** Arrange in a descending order :

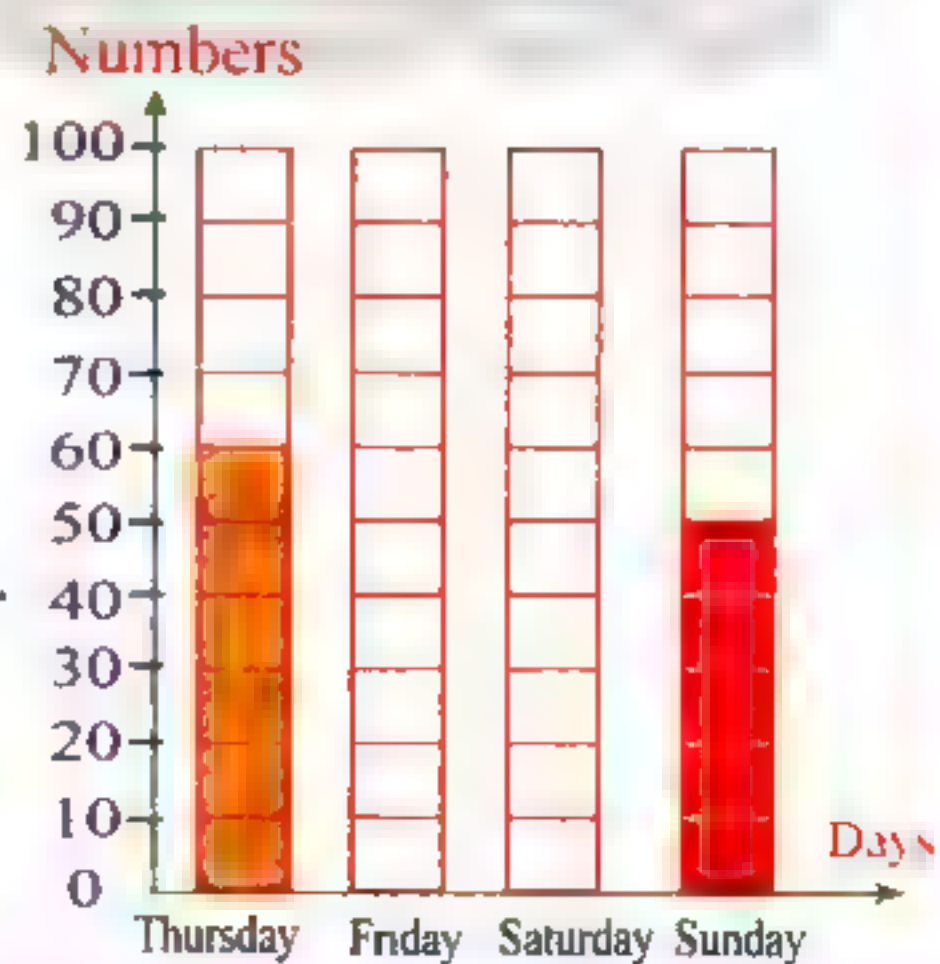
306 , 36 , 630 , 360 , 63

The order

**7** From the table complete :

Day	Thursday	Friday	Saturday	Sunday
Number	60	100	70	50

- (a) Complete the graph :
- (b) The favourite day is .....
- (c) The number of pupils who prefer Thursday is .....
- (d) Number of pupils who prefer Saturday and Sunday is .....





Self - check

## Bakkar Self - check 9

1 Find :

$$\begin{array}{r} 75 \\ + 15 \\ \hline \\ \dots \end{array}$$

$$\begin{array}{r} 30 \\ + 20 \\ \hline \\ \dots \end{array}$$

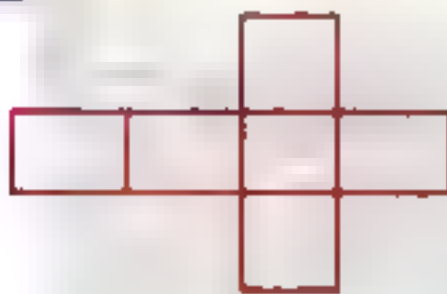
$$\begin{array}{r} 98 \\ - 38 \\ \hline \\ \dots \end{array}$$

$$\begin{array}{r} 46 \\ - 15 \\ \hline \\ \dots \end{array}$$

2 Choose the correct answer :

- ( a ) The estimation of 27 is ..... ( 2 , 20 , 200 )  
 ( b ) 6 hundreds , 3 tens = ..... ( 603 , 306 , 630 )  
 ( c ) The length of the classroom measured in ..... ( cm , m , gm )  
 ( d ) The number of vertices of a cube is ..... ( 4 , 6 , 8 )

3 Join with the suitable solid :



4 Arrange in ascending order :

45 min , one hr , quarter hr , 30 min

The order : .....



## BAKKAR Skill part

5 Answer the following :

- (a) Omar bought 3 kg of banana ,  
5 kg of tomatoes , 1 kg of date .  
What is the weight of what Omar carry .



Solution : The weight = ..... + ..... + ..... = ..... kg

- (b) Who am I ? ( a polygon with 5 vertices ) .  
I'm .....

6 Complete :

تابع جديد ذاكرولي على موقعنا  
<https://www.zakrooly.com>

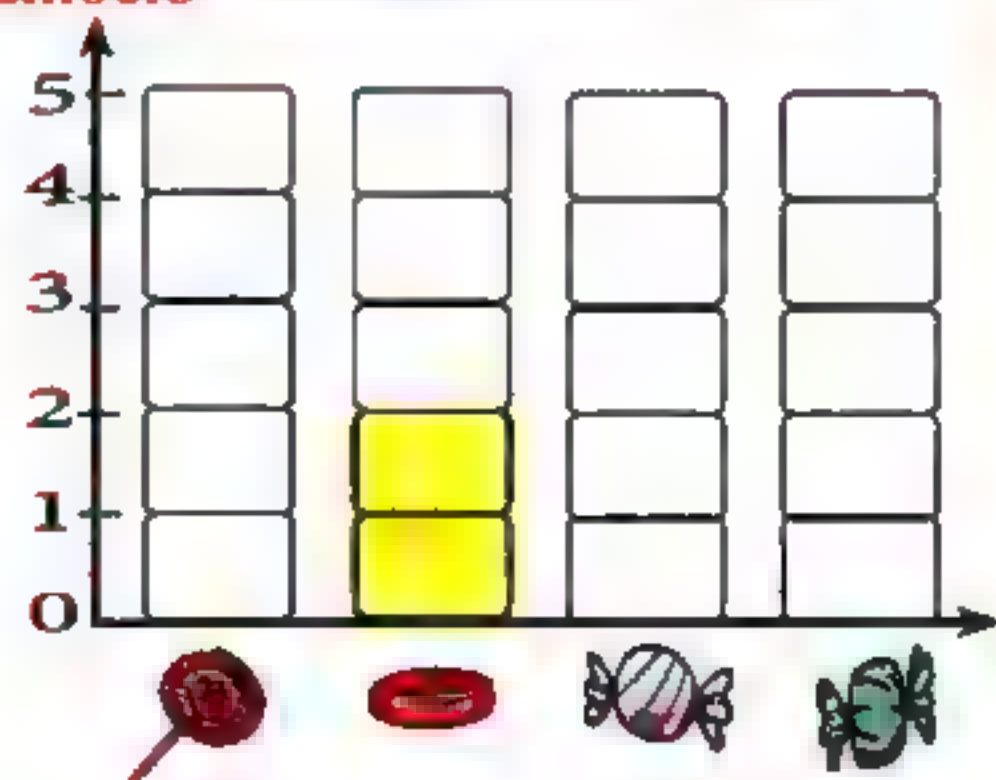
$$\begin{array}{c} 18 \\ \swarrow \searrow \\ ( \quad ) \quad ( \quad ) \end{array} + \begin{array}{c} 41 \\ \swarrow \searrow \\ ( \quad ) \quad ( \quad ) \end{array} = \begin{array}{c} \quad \quad \quad \\ \swarrow \searrow \\ ( \quad ) \quad ( \quad ) \end{array}$$

7 From the table complete :

Picture graph


Numbers

Bar graph





Self - check

## Bakkar Self - check 10

1 Answer the following :

Tens	Ones
1 + 5	1 7
.....	.....

Tens	Ones
1 +	3 9
.....	.....

Tens	Ones
6 - 3	7 4
.....	.....

Tens	Ones
8 - 4	5 4
.....	.....

2 Choose the correct answer :

- (a) The value of 7 in 375 is ..... ( 700 , 70 , 7 )
- (b) 98 ( ... ) 105 ( = , < , > )
- (c) The weight of a hen can be ..... kg ( 600 , 40 , 2 )
- (d) Ninety three ..... ( 93 , 309 , 39 )

3 Write the name of each solid :



.....

.....

.....

4 Choose the suitable estimation ( without solving ):

- (a)  $49 + 40$  Estimate to ..... ( 40 , 80 , 90 )
- (b)  $81 - 38$  Estimate to ..... ( 10 , 40 , 50 )



## BAKKAR Skill part

5 Answer the following :

a Who am I ? I'm a polygon with 4 sides .

I'm ..... or .....

b Join :

Eating dinner

Back to home

Waking up

8 : 15

6 : 00

1 : 30

6 Arrange in a descending order :

12 , 20 , 200 , 10 , 100

The order : .. , .. , .. , .. , ..

7 From the graph choose :

a The most number is of .....

(  ,  ,  )

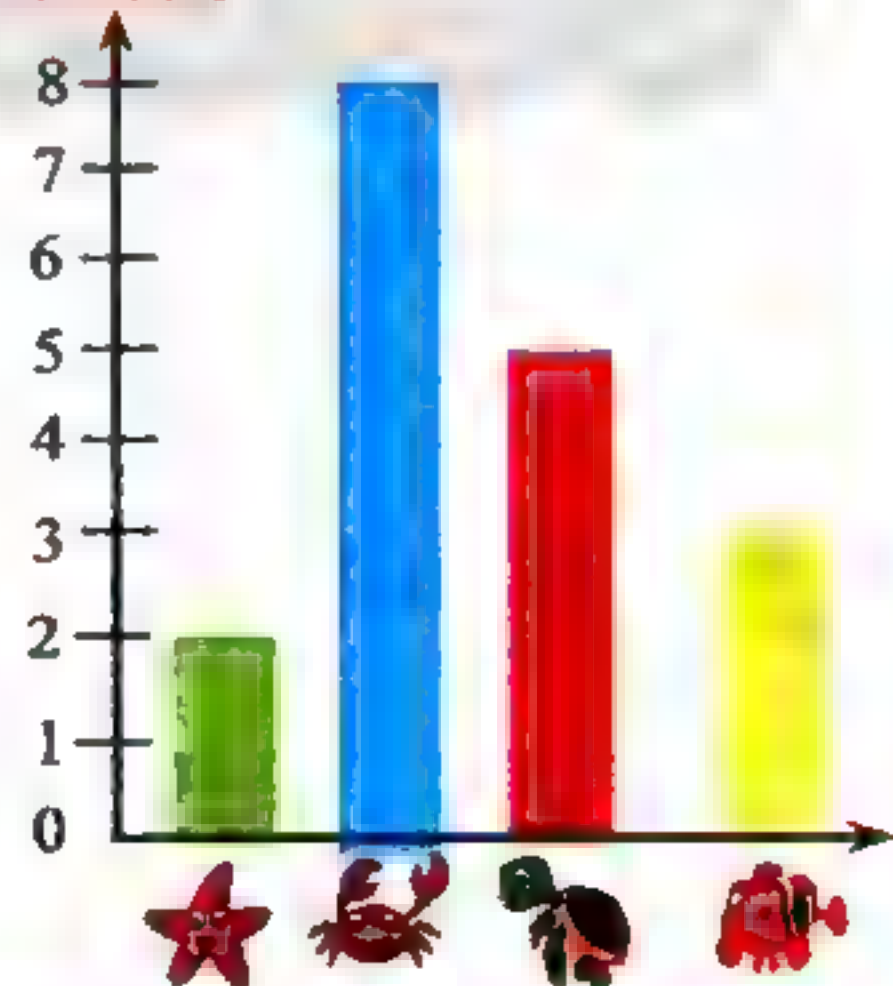
b The sum of  and  =

( 3 , 5 , 8 )

c The difference between the number

of  and  = ( 2 , 6 , 8 )

Numbers





Self - check

## Bakkar Self - check 11

1 Answer the following :

$$\begin{array}{r} 16 \\ + 16 \\ \hline \end{array}$$


$$\begin{array}{r} 52 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ - 35 \\ \hline \end{array}$$


$$\begin{array}{r} 26 \\ - 15 \\ \hline \end{array}$$

2 Choose the correct answer :

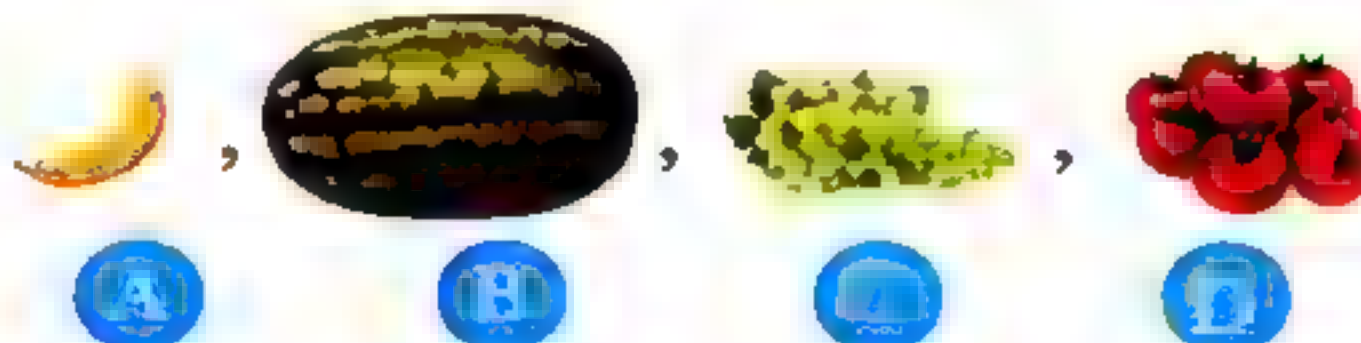
a The value of 4 in 564 is ..... ( 4 , 40 , 400 )

b  $26 + 10$  ....  $26 - 10$  ( < , > , = )c The number of sides in  = ..... sides. ( 2 , 3 , 4 )d  $425 =$  ..... hundreds + 2 tens + 5 ones ( 4 , 40 , 400 )

3 Using the ruler to find the length of the following :

 ( ..... cm ) ( ..... cm ) ( ..... cm )

4 Arrange from the heavy to the light :



The order : ....., ....., ....., .....



**BAKKAR Skill part****5** Answer the following :

- (a) Mohamed bought socks for LE 23 , if he has LE 75 ,  
How much money remained with him ?

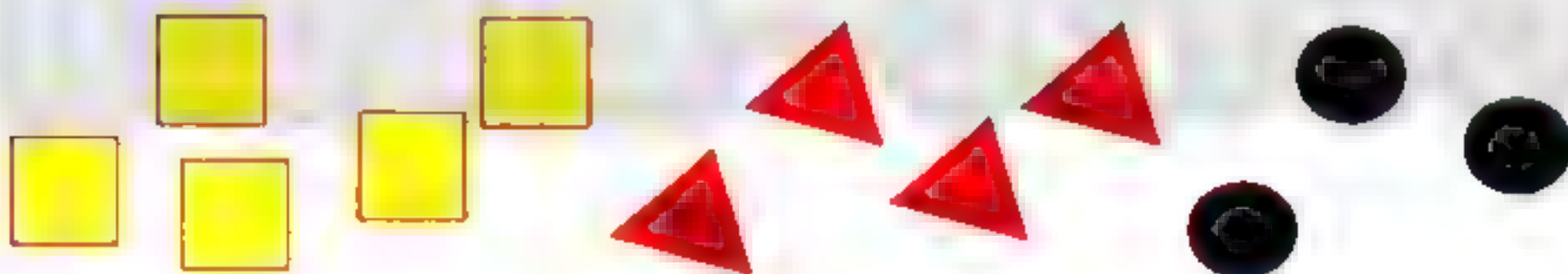
**Solution :** The remainder - ..... - ..... - LE .....


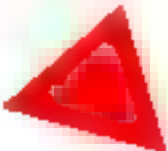

- (b) Who am I ? a solid with rectangular faces , I'm .....

**6** Estimate the following :

(a) 
$$\begin{array}{r} 68 \\ + 10 \\ \hline \end{array}$$
 Estimate to  $\begin{array}{r} \dots \\ + \\ \hline \end{array}$   
Estimate to  $\begin{array}{r} \dots \\ + \\ \hline \end{array}$

(b) 
$$\begin{array}{r} 18 \\ + 57 \\ \hline \end{array}$$
 Estimate to  $\begin{array}{r} \dots \\ + \\ \hline \end{array}$   
Estimate to  $\begin{array}{r} \dots \\ + \\ \hline \end{array}$

**7** From the shapes complete the picture graph :



Self - check

## Bakkar Self - check 12

1 Find :

Tens	Ones
4 + 1	5 8
.....	.....

Tens	Ones
3 + 3	1 6
.....	.....

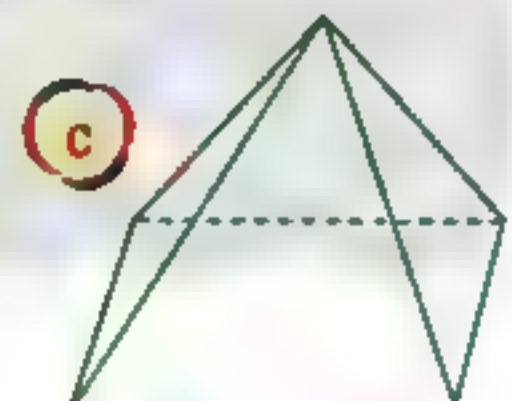
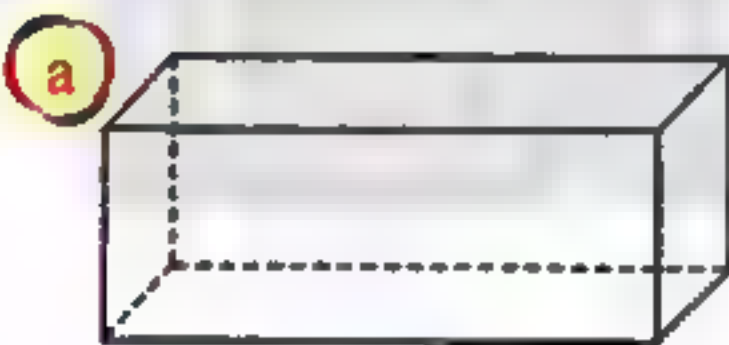
Tens	Ones
9 - 3	0 0
.....	.....

Tens	Ones
8 - 5	7 7
.....	.....

2 Choose the correct answer :

- (a) The place value of 6 in 654 is ..... (ones , tens , hundreds)
- (b) 659 .... 667 (< , > , =)
- (c)  $853 = 3 + \dots + 800$  (5 , 50 , 500)
- (d) Number of sides of square .... Number of sides of rhombus (< , > , =)

3 Write the number of faces in each solid :



4 Write the number in digit then find the sum :

$$\begin{array}{|c|c|c|} \hline \text{II} & \text{III} & \text{I} \\ \hline \end{array} + \begin{array}{|c|c|c|} \hline \text{III} & \text{II} & \text{I} \\ \hline \end{array} = \dots + \dots + \dots = \dots$$



**BAKKAR Skill part****5** Answer the following :**a** Arrange in a descending order :

666 , 77 , 88 , 111 , 808

The order : .....

**b** The solid whose all of it's faces in the form of a square is .....**6** Answer the following :

Nabil has LE 87 , he bought a book for LE 63 ,

How much money remained with him ?

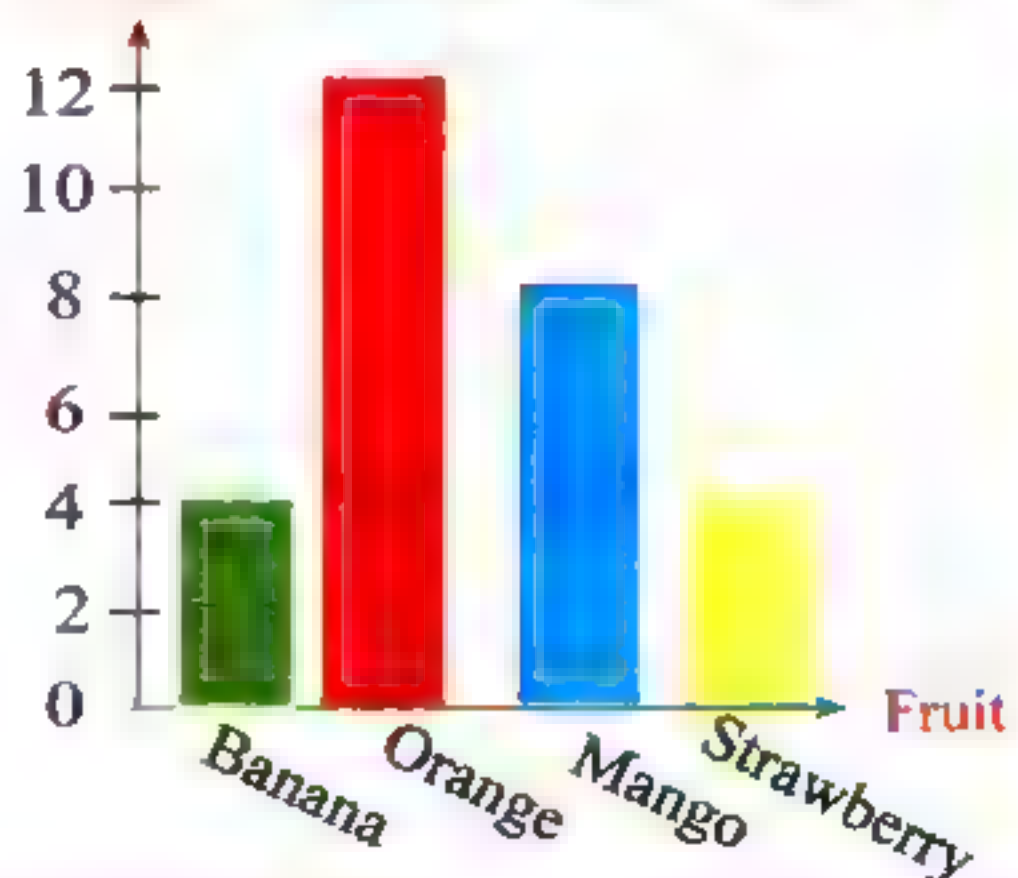
**Solution :** The remainder = ..... - ..... = LE .....**7** From the graph complete :**a** Number of pupils who prefer strawberry

Number of pupils who prefer banana

**b** The favourite fruit is .....**c** Number of pupils who prefer Orange and Mango =

..... + ..... = .....

Number of pupils





Self - check

## Bakkar Self - check 13

1 Find :

$$\begin{array}{r} 43 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ - 26 \\ \hline \end{array}$$


2 Join from (A) to (B) :

(A)

a The place value of 3 in 327 is .....

b The solid that has 2 circular bases is .....

c The number just before 988 is .....

d The shape  has ..... sides

(B)

987

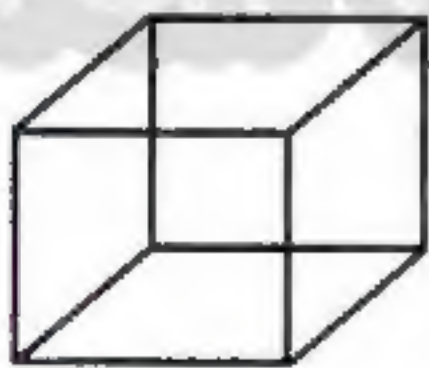
Tens

Hundreds

Cylinder

6

3 Write the name of the following solids :



4 Arrange in ascending order :

62 , 53 , 78 , 19 , 49

The order : .....

Bakkar Series

Math 223



## BAKKAR Skill part

5 Answer the following :

- (a) A farm has 17 sheep , some of them go away and 10 sheep remained . How many sheep go away ?

**Solution :** The number = ..... - ..... = ..... sheep

- (b) Complete with ( **Morning - Evening** )

Sleep at : .....

Weak up at : .....

Dinner at : .....

Back to home at : .....

6 Choose the suitable estimation ( **without solving** ):

- (a)  $51 + 30$  Estimate to ..... ( 20 , 30 , 80 )

- (b)  $98 - 82$  Estimate to ..... ( 10 , 30 , 70 )

7 Complete the table and the graph :



Name	Number
Cat	.....
Dog	.....
Rabbit	.....
Bird	.....

Number

8  
7  
6  
5  
4  
3  
2  
1  
0

Cat

Dog

Rabbit

Bird

Name



Self - check

## Bakkar Self - check 14

1 Find :


Tens	Ones
5	4
+ 3	8

Tens	Ones
6	5
+ 1	6

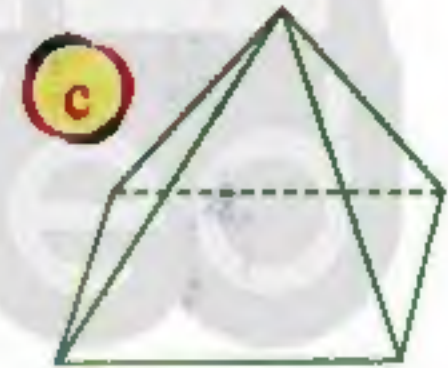
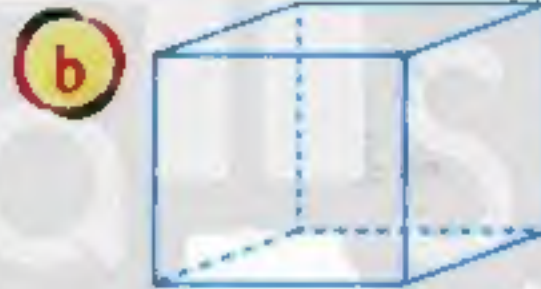
Tens	Ones
4	6
- 1	1

Tens	Ones
7	7
- 5	4

2 Choose the correct answer :

- (a) Five hundred seventy seven ..... ( 557 , 775 , 577 )
- (b) The value of 2 in 218 is = ..... ( 2 , 20 , 200 )
- (c) Number of sides of  is ..... ( 4 , 3 , 5 )
- (d) 351 ..... 299 . ( > , < , = )

3 Write the number of vertices of each shape :



4 Estimate the following :

(a) 
$$\begin{array}{r} 65 \\ - 49 \\ \hline \end{array}$$
 Estimate to  $\begin{array}{c} \text{.....} \\ - \text{.....} \\ \hline \end{array}$

(b) 
$$\begin{array}{r} 91 \\ - 67 \\ \hline \end{array}$$
 Estimate to  $\begin{array}{c} \text{.....} \\ - \text{.....} \\ \hline \end{array}$

لايج جديد ذاكرولي على موقعنا  
<https://www.zakrooly.com>



## BAKKAR Skill part

## 5 Answer the following :

A class has 56 boys and 35 girls

What is the number of pupils in the class ?

**Solution :** Number of pupils = ..... + ..... = ..... Pupils

## 6 Arrange in a descending order :

29 , 105 , 501 , 290 , 92




The order : .....

## 7 Complete the table and choose :

Shape	Number
	.....
	.....
	.....
	.....



نفوقه في أي عمل عليه العلامة دي

- a) Number of  = ..... ( 3 , 4 , 5 )
- b) Number of  .... Number of  (> , = , < )
- c) Number of all shapes = ..... shape ( 12 , 13 , 14 )